



REPORT No.: SZ24060193W02

TEST REPORT

APPLICANT : Reliance Communications, LLC

PRODUCT NAME : Orbic Speed Pro 5G

MODEL NAME : R575L5

BRAND NAME : Orbic

FCC ID : 2ABGH-R575L5

STANDARD(S) : 47 CFR Part 2
47 CFR Part 22
47 CFR Part 24
47 CFR Part 27
47 CFR Part 96

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Change History		
Version	Date	Reason for change
1.0	2025-01-24	First edition



1. Technical Information

Note: Provide by applicant.

1.1. Applicant and Manufacturer Information

Applicant:	Reliance Communications, LLC
Applicant Address:	555 Wireless Blvd. Hauppauge, NY 11788, USA
Manufacturer:	MeiG Smart Technology Co., Ltd
Manufacturer Address:	2nd Floor,Office Building,No.5 Lingxia Road,Fenghuang,Fuyong Street,Bao'an District,Shenzhen

1.2. Equipment Under Test (EUT) Description

Product Name:	Orbic Speed Pro 5G	
Hardware Version:	V1.0	
Software Version:	R575L5_v1.0.35_BVZ	
Sample No.:	2#, 6#	
Modulation Type:	DFT-s-OFDM	PI/2 BPSK, QPSK, 16QAM, 64QAM, 256QAM
	CP-OFDM	QPSK, 16QAM, 64QAM, 256QAM
Power Class:	PC2:	n77, n78
	PC3:	n2, n5, n48, n66, n77, n78
EN-DC Band:	n2	DC_5A_n2, DC_13A_n2, DC_66A_n2
	n5	DC_2A_n5, DC_48A_n5, DC_66A_n5
	n66	DC_2A_n66, DC_5A_n66, DC_7A_n66, DC_13A_n66,
	n77	DC_2A_n77, DC_5A_n77, DC_7A_n77, DC_13A_n77, DC_66A_n77
	n78	DC_5A_n78, DC_7A_n78
Frequency Range:	n2	Tx: 1850MHz-1910MHz
		Rx: 1930MHz-1990MHz
	n5	Tx: 824MHz-849MHz
		Rx: 869MHz-894MHz
	n48	Tx:3550 MHz-3700 MHz
		Rx:3550 MHz-3700 MHz
	n66	Tx: 1710MHz-1780MHz
		Rx: 2110MHz-2200MHz



	n77 : (enabling bands)	Tx: 3450MHz-3550MHz
		Rx: 3450MHz-3550MHz
		Tx: 3700MHz-3980MHz
		Rx: 3700MHz-3980MHz
	n78	Tx: 3450MHz-3550MHz
		Rx: 3450MHz-3550MHz
		Tx: 3700MHz-3800MHz
		Rx: 3700MHz-3800MHz
Channel Bandwidth	n2	5MHz, 10MHz, 15MHz, 20MHz
	n5	5MHz, 10MHz, 15MHz, 20MHz
	n48	10MHz, 15MHz, 20MHz, 30MHz, 40MHz
	n66	5MHz, 10MHz, 15MHz, 20MHz, 30MHz, 40MHz
	n77	10MHz, 15MHz, 20MHz, 30MHz, 40MHz, 50MHz , 60MHz, 70MHz, 80MHz, 90MHz, 100MHz
	n78	10MHz, 15MHz, 20MHz, 30MHz, 40MHz, 50MHz , 60MHz, 70MHz, 80MHz, 90MHz, 100MHz
Antenna Type:	PIFA Antenna	
Antenna Gain:	n2	ANT0:1.75dBi, ANT4: 1.72dBi
	n5	ANT0: 0.86dBi
	n48	ANT2: 0.70dBi, ANT5: 0.80dBi
	n66	ANT0: 1.62dBi, ANT4: 1.91dBi
	n77	ANT2: 2.43dBi, ANT5: 2.5dBi
	n78	ANT2: 2.43dBi, ANT5: 2.5dBi
Accessory Information:	Battery :	
	Brand Name:	Orbic
	Model No.:	OABA014GL1
	Serial No.:	N/A
	Capacity:	5000mAh
	Rated Voltage:	3.85V
	Charge Limit:	4.4V
	Manufacturer:	Shenzhen Aerospace Electronic Co.,Ltd
	AC Adapter :	
	Brand Name:	Orbic
	Model No.:	OACH023US1
	Serial No.:	N/A
	Rated Input:	100-240V~50/60HZ, 0.5A
	Rated Output:	5V=3A or 9V=5A or 12V=1.5A
	Manufacturer 1 :	WATAI ELECTRONICS PRIVATE LIMITED



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	Manufacturer 2 :	KANGYIN ELECTRONIC TECHNOLOGY CO.,LTD
	USB Cable :	
	Model No.:	OAUC023US1
	Manufacturer:	KANGYIN ELECTRONIC TECHNOLOGY CO.,LTD

Note 1: For a more detailed description, please refer to Specification or User's Manual supplied by the applicant and/or manufacturer.

Note 2: There is no test for SA n78 due to the band is completely covered by SA n77 and its power level setting also less than SA n77.

1.3. Maximum ERP/EIRP and Emission Designator

EIRP (dBm) = Conducted Output Power (dBm) + Antenna Gain (dBi)

ERP (dBm) = EIRP (dBm) - 2.15

Worse case:

n2						
Bandwidth (MHz)	Modulation	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Average (W)	99% BW (MHz)	Emission Designator
5	PI/2 BPSK	/	/	/	4.4913	4M49G7D
	QPSK	23.20	24.95	0.313	4.4951	4M50G7D
	16QAM	/	/	/	4.4868	4M49W7D
	64QAM	/	/	/	4.4761	4M48W7D
	256QAM	/	/	/	4.4829	4M48W7D
	CP-QPSK	/	/	/	4.4757	4M48G7D
10	PI/2 BPSK	/	/	/	8.9114	8M91G7D
	QPSK	23.11	24.86	0.306	8.9232	8M92G7D
	16QAM	/	/	/	8.936	8M94W7D
	64QAM	/	/	/	8.9135	8M91W7D
	256QAM	/	/	/	8.9279	8M93W7D
	CP-QPSK	/	/	/	9.2853	9M29G7D
15	PI/2 BPSK	/	/	/	13.43	13M4G7D
	QPSK	23.18	24.93	0.311	13.415	13M4G7D
	16QAM	/	/	/	13.421	13M4W7D
	64QAM	/	/	/	13.404	13M4W7D
	256QAM	/	/	/	13.451	13M5W7D
	CP-QPSK	/	/	/	14.11	14M1G7D
20	PI/2 BPSK	/	/	/	17.902	17M9G7D
	QPSK	23.14	24.89	0.308	17.9	17M9G7D
	16QAM	/	/	/	17.906	17M9W7D
	64QAM	/	/	/	17.916	17M9W7D
	256QAM	/	/	/	17.88	17M9W7D
	CP-QPSK	/	/	/	18.934	18M9G7D
25	PI/2 BPSK	/	/	/	22.916	22M9G7D
	QPSK	23.41	25.16	0.328	22.91	22M9G7D
	16QAM	/	/	/	22.963	23M0W7D



	64QAM	/	/	/	22.903	22M9W7D
	256QAM	/	/	/	22.878	22M9W7D
	CP-QPSK	/	/	/	23.789	23M8G7D
30	PI/2 BPSK	23.35	25.10	0.324	28.627	28M6G7D
	QPSK	23.43	25.18	0.330	28.558	28M6G7D
	16QAM	22.43	24.18	0.262	28.595	28M6W7D
	64QAM	20.84	22.59	0.182	28.57	28M6W7D
	256QAM	18.61	20.36	0.109	28.593	28M6W7D
	CP-QPSK	/	/	/	28.592	28M6G7D

n5						
Bandwidth (MHz)	Modulation	Conducted Average (dBm)	ERP Average (dBm)	ERP Average (W)	99% BW (MHz)	Emission Designator
5	PI/2 BPSK	/	/	/	4.4862	4M49G7D
	QPSK	23.37	22.08	0.161	4.506	4M51G7D
	16QAM	/	/	/	4.4861	4M49W7D
	64QAM	/	/	/	4.4785	4M48W7D
	256QAM	/	/	/	4.4823	4M48W7D
	CP-QPSK	/	/	/	4.4846	4M48G7D
10	PI/2 BPSK	/	/	/	8.9265	8M93G7D
	QPSK	23.46	22.17	0.165	8.9263	8M93G7D
	16QAM	/	/	/	8.958	8M96W7D
	64QAM	/	/	/	8.9296	8M93W7D
	256QAM	/	/	/	8.9328	8M93W7D
	CP-QPSK	/	/	/	9.2965	9M30G7D
15	PI/2 BPSK	/	/	/	13.428	13M4G7D
	QPSK	23.42	22.13	0.163	13.422	13M4G7D
	16QAM	/	/	/	13.43	13M4W7D
	64QAM	/	/	/	13.407	13M4W7D
	256QAM	/	/	/	13.448	13M5W7D
	CP-QPSK	/	/	/	14.122	14M1G7D
20	PI/2 BPSK	23.53	22.24	0.167	17.861	17M9G7D
	QPSK	23.57	22.28	0.169	17.858	17M9G7D
	16QAM	22.48	21.19	0.132	17.889	17M9W7D
	64QAM	20.99	19.70	0.093	17.902	17M9W7D
	256QAM	18.74	17.45	0.056	17.843	17M8W7D



	CP-QPSK	/	/	/	18.887	18M9G7D
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n48						
Bandwidth (MHz)	Modulation	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Average (W)	99% BW (MHz)	Emission Designator
10	PI/2 BPSK	/	/	/	8.5825	8M58G7D
	QPSK	21.35	22.15	0.164	8.5696	8M57G7D
	16QAM	/	/	/	8.6508	8M65W7D
	64QAM	/	/	/	8.5991	8M60W7D
	256QAM	/	/	/	8.6058	8M61W7D
	CP-QPSK	/	/	/	8.5658	8M57G7D
15	PI/2 BPSK	/	/	/	12.876	12M9G7D
	QPSK	21.22	22.02	0.159	12.892	12M9G7D
	16QAM	/	/	/	12.89	12M9W7D
	64QAM	/	/	/	12.887	12M9W7D
	256QAM	/	/	/	12.857	12M9W7D
	CP-QPSK	/	/	/	12.892	12M9G7D
20	PI/2 BPSK	/	/	/	17.853	17M9G7D
	QPSK	21.29	22.09	0.162	17.822	17M8G7D
	16QAM	/	/	/	17.904	17M9W7D
	64QAM	/	/	/	17.841	17M8W7D
	256QAM	/	/	/	17.831	17M8W7D
	CP-QPSK	/	/	/	17.874	17M9G7D
30	PI/2 BPSK	/	/	/	26.818	26M8G7D
	QPSK	21.49	22.29	0.169	26.825	26M8G7D
	16QAM	/	/	/	26.847	26M9W7D
	64QAM	/	/	/	26.807	26M8W7D
	256QAM	/	/	/	26.842	26M8W7D
	CP-QPSK	/	/	/	26.785	26M8G7D
40	PI/2 BPSK	21.43	22.23	0.167	35.764	35M8G7D
	QPSK	21.58	22.38	0.173	35.794	35M8G7D
	16QAM	20.35	21.15	0.130	35.834	35M8W7D
	64QAM	19.04	19.84	0.096	35.811	35M8W7D
	256QAM	16.75	17.55	0.057	35.828	35M8W7D
	CP-QPSK	/	/	/	35.705	35M7G7D



n66						
Bandwidth (MHz)	Modulation	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Average (W)	99% BW (MHz)	Emission Designator
5	PI/2 BPSK	/	/	/	4.4884	4M49G7D
	QPSK	23.37	25.28	0.337	4.4855	4M49G7D
	16QAM	/	/	/	4.4931	4M49W7D
	64QAM	/	/	/	4.4757	4M48W7D
	256QAM	/	/	/	4.4818	4M48W7D
	CP-QPSK	/	/	/	4.4757	4M48G7D
10	PI/2 BPSK	/	/	/	8.9293	8M93G7D
	QPSK	23.44	25.35	0.343	8.9233	8M92G7D
	16QAM	/	/	/	8.9516	8M95W7D
	64QAM	/	/	/	8.9247	8M92W7D
	256QAM	/	/	/	8.9393	8M94W7D
	CP-QPSK	/	/	/	9.2846	9M28G7D
15	PI/2 BPSK	/	/	/	13.425	13M4G7D
	QPSK	23.57	25.48	0.353	13.448	13M5G7D
	16QAM	/	/	/	13.438	13M4W7D
	64QAM	/	/	/	13.408	13M4W7D
	256QAM	/	/	/	13.451	13M5W7D
	CP-QPSK	/	/	/	14.124	14M1G7D
20	PI/2 BPSK	/	/	/	17.887	17M9G7D
	QPSK	23.43	25.34	0.342	17.877	17M9G7D
	16QAM	/	/	/	17.92	17M9W7D
	64QAM	/	/	/	17.898	17M9W7D
	256QAM	/	/	/	17.865	17M9W7D
	CP-QPSK	/	/	/	18.919	18M9G7D
25	PI/2 BPSK	/	/	/	22.896	22M9G7D
	QPSK	23.67	25.58	0.361	22.92	22M9G7D
	16QAM	/	/	/	22.931	22M9W7D
	64QAM	/	/	/	22.889	22M9W7D
	256QAM	/	/	/	22.874	22M9W7D
	CP-QPSK	/	/	/	23.768	23M8G7D
30	PI/2 BPSK	/	/	/	28.669	28M7G7D



	QPSK	23.54	25.45	0.351	28.578	28M6G7D
	16QAM	/	/	/	28.603	28M6W7D
	64QAM	/	/	/	28.583	28M6W7D
	256QAM	/	/	/	28.614	28M6W7D
	CP-QPSK	/	/	/	28.589	28M6G7D
40	PI/2 BPSK	23.58	25.49	0.354	38.594	38M6G7D
	QPSK	23.69	25.60	0.363	38.634	38M6G7D
	16QAM	22.65	24.56	0.286	38.633	38M6W7D
	64QAM	21.06	22.97	0.198	38.569	38M6W7D
	256QAM	18.81	20.72	0.118	38.564	38M6W7D
	CP-QPSK	/	/	/	38.578	38M6G7D

n77(3450-3550MHz) (PC2)						
Bandwidth (MHz)	Modulation	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Average (W)	99% BW (MHz)	Emission Designator
10	PI/2 BPSK	/	/	/	8.583	8M58G7D
	QPSK	26.62	29.12	0.817	8.5991	8M60G7D
	16QAM	/	/	/	8.6107	8M61W7D
	64QAM	/	/	/	8.6225	8M62W7D
	256QAM	/	/	/	8.6152	8M62W7D
	CP-QPSK	/	/	/	8.5863	8M59G7D
15	PI/2 BPSK	/	/	/	12.88	12M9G7D
	QPSK	26.50	29.00	0.794	12.901	12M9G7D
	16QAM	/	/	/	12.899	12M9W7D
	64QAM	/	/	/	12.885	12M9W7D
	256QAM	/	/	/	12.86	12M9W7D
	CP-QPSK	/	/	/	12.884	12M9G7D
20	PI/2 BPSK	/	/	/	17.854	17M9G7D
	QPSK	26.66	29.16	0.824	17.846	17M9G7D
	16QAM	/	/	/	17.887	17M9W7D
	64QAM	/	/	/	17.84	17M8W7D
	256QAM	/	/	/	17.849	17M9W7D
	CP-QPSK	/	/	/	17.879	17M9G7D
25	PI/2 BPSK	/	/	/	22.874	22M9G7D
	QPSK	27.09	29.59	0.910	22.927	22M9G7D
	16QAM	/	/	/	22.887	22M9W7D



	64QAM	/	/	/	22.911	22M9W7D
	256QAM	/	/	/	22.883	22M9W7D
	CP-QPSK	/	/	/	22.903	22M9G7D
30	PI/2 BPSK	/	/	/	26.814	26M8G7D
	QPSK	26.98	29.48	0.887	26.84	26M8G7D
	16QAM	/	/	/	26.852	26M9W7D
	64QAM	/	/	/	26.841	26M8W7D
	256QAM	/	/	/	26.911	26M9W7D
	CP-QPSK	/	/	/	26.825	26M8G7D
40	PI/2 BPSK	/	/	/	35.777	35M8G7D
	QPSK	26.87	29.37	0.865	35.77	35M8G7D
	16QAM	/	/	/	35.804	35M8W7D
	64QAM	/	/	/	35.782	35M8W7D
	256QAM	/	/	/	35.78	35M8W7D
	CP-QPSK	/	/	/	35.701	35M7G7D
50	PI/2 BPSK	/	/	/	45.776	45M8G7D
	QPSK	27.16	29.66	0.925	45.898	45M9G7D
	16QAM	/	/	/	45.819	45M8W7D
	64QAM	/	/	/	45.757	45M8W7D
	256QAM	/	/	/	45.793	45M8W7D
	CP-QPSK	/	/	/	45.688	45M7G7D
60	PI/2 BPSK	/	/	/	57.926	57M9G7D
	QPSK	27.07	29.57	0.906	57.845	57M9G7D
	16QAM	/	/	/	57.853	57M9W7D
	64QAM	/	/	/	57.91	57M9W7D
	256QAM	/	/	/	57.9	57M9W7D
	CP-QPSK	/	/	/	57.826	57M8G7D
70	PI/2 BPSK	/	/	/	64.289	64M3G7D
	QPSK	27.12	29.62	0.916	64.294	64M3G7D
	16QAM	/	/	/	64.267	64M3W7D
	64QAM	/	/	/	64.238	64M2W7D
	256QAM	/	/	/	64.222	64M2W7D
	CP-QPSK	/	/	/	64.256	64M3G7D
80	PI/2 BPSK	/	/	/	77.077	77M1G7D
	QPSK	27.14	29.64	0.920	77.187	77M2G7D
	16QAM	/	/	/	77.213	77M2W7D
	64QAM	/	/	/	77.152	77M2W7D



	256QAM	/	/	/	77.117	77M1W7D
	CP-QPSK	/	/	/	77.12	77M1G7D
90	PI/2 BPSK	/	/	/	86.845	86M9G7D
	QPSK	27.15	29.65	0.923	86.73	86M7G7D
	16QAM	/	/	/	86.756	86M8W7D
	64QAM	/	/	/	86.768	86M8W7D
	256QAM	/	/	/	86.804	86M8W7D
	CP-QPSK	/	/	/	86.93	86M9G7D
100	PI/2 BPSK	26.85	29.35	0.861	96.305	96M3G7D
	QPSK	27.31	29.81	0.957	96.458	96M5G7D
	16QAM	26.14	28.64	0.731	96.267	96M3W7D
	64QAM	24.74	27.24	0.530	96.451	96M5W7D
	256QAM	22.57	25.07	0.321	96.344	96M3W7D
	CP-QPSK	/	/	/	96.301	96M3G7D

n77(3700-3980MHz) (PC2)						
Bandwidth (MHz)	Modulation	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Average (W)	99% BW (MHz)	Emission Designator
10	PI/2 BPSK	/	/	/	8.5843	8M58G7D
	QPSK	26.97	29.47	0.885	8.6021	8M60G7D
	16QAM	/	/	/	8.5967	8M60W7D
	64QAM	/	/	/	8.7036	8M70W7D
	256QAM	/	/	/	8.6092	8M61W7D
	CP-QPSK	/	/	/	8.5805	8M58G7D
15	PI/2 BPSK	/	/	/	12.858	12M9G7D
	QPSK	26.76	29.26	0.843	12.864	12M9G7D
	16QAM	/	/	/	12.887	12M9W7D
	64QAM	/	/	/	12.871	12M9W7D
	256QAM	/	/	/	12.862	12M9W7D
	CP-QPSK	/	/	/	12.863	12M9G7D
20	PI/2 BPSK	/	/	/	17.884	17M9G7D
	QPSK	26.69	29.19	0.830	17.843	17M8G7D
	16QAM	/	/	/	17.853	17M9W7D
	64QAM	/	/	/	17.823	17M8W7D
	256QAM	/	/	/	17.821	17M8W7D
	CP-QPSK	/	/	/	17.86	17M9G7D



25	PI/2 BPSK	/	/	/	22.855	22M9G7D
	QPSK	26.66	29.16	0.824	22.888	22M9G7D
	16QAM	/	/	/	22.882	22M9W7D
	64QAM	/	/	/	22.898	22M9W7D
	256QAM	/	/	/	22.867	22M9W7D
	CP-QPSK	/	/	/	22.864	22M9G7D
30	PI/2 BPSK	/	/	/	26.792	26M8G7D
	QPSK	26.62	29.12	0.817	26.814	26M8G7D
	16QAM	/	/	/	26.844	26M8W7D
	64QAM	/	/	/	26.794	26M8W7D
	256QAM	/	/	/	26.854	26M9W7D
	CP-QPSK	/	/	/	26.785	26M8G7D
40	PI/2 BPSK	/	/	/	35.803	35M8G7D
	QPSK	26.38	28.88	0.773	35.775	35M8G7D
	16QAM	/	/	/	35.805	35M8W7D
	64QAM	/	/	/	35.845	35M9W7D
	256QAM	/	/	/	35.782	35M8W7D
	CP-QPSK	/	/	/	35.74	35M7G7D
50	PI/2 BPSK	/	/	/	45.778	45M8G7D
	QPSK	26.45	28.95	0.785	45.779	45M8G7D
	16QAM	/	/	/	45.82	45M8W7D
	64QAM	/	/	/	45.781	45M8W7D
	256QAM	/	/	/	45.751	45M8W7D
	CP-QPSK	/	/	/	45.726	45M7G7D
60	PI/2 BPSK	/	/	/	57.944	57M9G7D
	QPSK	26.36	28.86	0.769	57.889	57M9G7D
	16QAM	/	/	/	57.85	57M9W7D
	64QAM	/	/	/	57.883	57M9W7D
	256QAM	/	/	/	57.919	57M9W7D
	CP-QPSK	/	/	/	57.849	57M9G7D
70	PI/2 BPSK	/	/	/	64.307	64M3G7D
	QPSK	26.46	28.96	0.787	64.269	64M3G7D
	16QAM	/	/	/	64.334	64M3W7D
	64QAM	/	/	/	64.207	64M2W7D
	256QAM	/	/	/	64.199	64M2W7D
	CP-QPSK	/	/	/	64.285	64M3G7D
80	PI/2 BPSK	/	/	/	77.078	77M1G7D



	QPSK	26.44	28.94	0.783	77.028	77M0G7D
	16QAM	/	/	/	77.125	77M1W7D
	64QAM	/	/	/	77.117	77M1W7D
	256QAM	/	/	/	77.146	77M2W7D
	CP-QPSK	/	/	/	77.022	77M0G7D
90	PI/2 BPSK	/	/	/	86.599	86M6G7D
	QPSK	26.54	29.04	0.802	86.655	86M7G7D
	16QAM	/	/	/	86.776	86M8W7D
	64QAM	/	/	/	86.65	86M7W7D
	256QAM	/	/	/	86.596	86M6W7D
	CP-QPSK	/	/	/	86.82	86M8G7D
100	PI/2 BPSK	26.69	29.19	0.830	96.266	96M3G7D
	QPSK	26.94	29.44	0.879	96.297	96M3G7D
	16QAM	25.59	28.09	0.644	96.388	96M4W7D
	64QAM	24.28	26.78	0.476	96.419	96M4W7D
	256QAM	21.99	24.49	0.281	96.365	96M4W7D
	CP-QPSK	/	/	/	96.383	96M4G7D

n77(3450-3550MHz) (PC3)						
Bandwidth (MHz)	Modulation	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Average (W)	99% BW (MHz)	Emission Designator
10	PI/2 BPSK	/	/	/	N/A	N/A
	QPSK	24.30	26.80	0.479	N/A	N/A
	16QAM	/	/	/	N/A	N/A
	64QAM	/	/	/	N/A	N/A
	256QAM	/	/	/	N/A	N/A
	CP-QPSK	/	/	/	N/A	N/A
15	PI/2 BPSK	/	/	/	N/A	N/A
	QPSK	24.21	26.71	0.469	N/A	N/A
	16QAM	/	/	/	N/A	N/A
	64QAM	/	/	/	N/A	N/A
	256QAM	/	/	/	N/A	N/A
	CP-QPSK	/	/	/	N/A	N/A
20	PI/2 BPSK	/	/	/	N/A	N/A
	QPSK	24.28	26.78	0.476	N/A	N/A
	16QAM	/	/	/	N/A	N/A



	64QAM	/	/	/	N/A	N/A
	256QAM	/	/	/	N/A	N/A
	CP-QPSK	/	/	/	N/A	N/A
25	PI/2 BPSK	/	/	/	N/A	N/A
	QPSK	24.33	26.83	0.482	N/A	N/A
	16QAM	/	/	/	N/A	N/A
	64QAM	/	/	/	N/A	N/A
	256QAM	/	/	/	N/A	N/A
	CP-QPSK	/	/	/	N/A	N/A
30	PI/2 BPSK	/	/	/	N/A	N/A
	QPSK	24.41	26.91	0.491	N/A	N/A
	16QAM	/	/	/	N/A	N/A
	64QAM	/	/	/	N/A	N/A
	256QAM	/	/	/	N/A	N/A
	CP-QPSK	/	/	/	N/A	N/A
40	PI/2 BPSK	/	/	/	N/A	N/A
	QPSK	24.27	26.77	0.475	N/A	N/A
	16QAM	/	/	/	N/A	N/A
	64QAM	/	/	/	N/A	N/A
	256QAM	/	/	/	N/A	N/A
	CP-QPSK	/	/	/	N/A	N/A
50	PI/2 BPSK	/	/	/	N/A	N/A
	QPSK	24.42	26.92	0.492	N/A	N/A
	16QAM	/	/	/	N/A	N/A
	64QAM	/	/	/	N/A	N/A
	256QAM	/	/	/	N/A	N/A
	CP-QPSK	/	/	/	N/A	N/A
60	PI/2 BPSK	/	/	/	N/A	N/A
	QPSK	24.20	26.70	0.468	N/A	N/A
	16QAM	/	/	/	N/A	N/A
	64QAM	/	/	/	N/A	N/A
	256QAM	/	/	/	N/A	N/A
	CP-QPSK	/	/	/	N/A	N/A
70	PI/2 BPSK	/	/	/	N/A	N/A
	QPSK	24.27	26.77	0.475	N/A	N/A
	16QAM	/	/	/	N/A	N/A
	64QAM	/	/	/	N/A	N/A



	256QAM	/	/	/	N/A	N/A
	CP-QPSK	/	/	/	N/A	N/A
80	PI/2 BPSK	/	/	/	N/A	N/A
	QPSK	24.32	26.82	0.481	N/A	N/A
	16QAM	/	/	/	N/A	N/A
	64QAM	/	/	/	N/A	N/A
	256QAM	/	/	/	N/A	N/A
	CP-QPSK	/	/	/	N/A	N/A
90	PI/2 BPSK	/	/	/	N/A	N/A
	QPSK	24.33	26.83	0.482	N/A	N/A
	16QAM	/	/	/	N/A	N/A
	64QAM	/	/	/	N/A	N/A
	256QAM	/	/	/	N/A	N/A
	CP-QPSK	/	/	/	N/A	N/A
100	PI/2 BPSK	24.45	26.95	0.495	N/A	N/A
	QPSK	24.49	26.99	0.500	N/A	N/A
	16QAM	24.27	26.77	0.475	N/A	N/A
	64QAM	24.48	26.98	0.499	N/A	N/A
	256QAM	22.71	25.21	0.332	N/A	N/A
	CP-QPSK	/	/	/	N/A	N/A

n77(3700-3980MHz)(PC3)						
Bandwidth (MHz)	Modulation	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Average (W)	99% BW (MHz)	Emission Designator
10	PI/2 BPSK	/	/	/	N/A	N/A
	QPSK	24.02	26.52	0.449	N/A	N/A
	16QAM	/	/	/	N/A	N/A
	64QAM	/	/	/	N/A	N/A
	256QAM	/	/	/	N/A	N/A
	CP-QPSK	/	/	/	N/A	N/A
15	PI/2 BPSK	/	/	/	N/A	N/A
	QPSK	23.89	26.39	0.436	N/A	N/A
	16QAM	/	/	/	N/A	N/A
	64QAM	/	/	/	N/A	N/A
	256QAM	/	/	/	N/A	N/A
	CP-QPSK	/	/	/	N/A	N/A



20	PI/2 BPSK	/	/	/	N/A	N/A
	QPSK	23.82	26.32	0.429	N/A	N/A
	16QAM	/	/	/	N/A	N/A
	64QAM	/	/	/	N/A	N/A
	256QAM	/	/	/	N/A	N/A
	CP-QPSK	/	/	/	N/A	N/A
25	PI/2 BPSK	/	/	/	N/A	N/A
	QPSK	23.81	26.31	0.428	N/A	N/A
	16QAM	/	/	/	N/A	N/A
	64QAM	/	/	/	N/A	N/A
	256QAM	/	/	/	N/A	N/A
	CP-QPSK	/	/	/	N/A	N/A
30	PI/2 BPSK	/	/	/	N/A	N/A
	QPSK	23.81	26.31	0.428	N/A	N/A
	16QAM	/	/	/	N/A	N/A
	64QAM	/	/	/	N/A	N/A
	256QAM	/	/	/	N/A	N/A
	CP-QPSK	/	/	/	N/A	N/A
40	PI/2 BPSK	/	/	/	N/A	N/A
	QPSK	23.42	25.92	0.391	N/A	N/A
	16QAM	/	/	/	N/A	N/A
	64QAM	/	/	/	N/A	N/A
	256QAM	/	/	/	N/A	N/A
	CP-QPSK	/	/	/	N/A	N/A
50	PI/2 BPSK	/	/	/	N/A	N/A
	QPSK	23.56	26.06	0.404	N/A	N/A
	16QAM	/	/	/	N/A	N/A
	64QAM	/	/	/	N/A	N/A
	256QAM	/	/	/	N/A	N/A
	CP-QPSK	/	/	/	N/A	N/A
60	PI/2 BPSK	/	/	/	N/A	N/A
	QPSK	23.41	25.91	0.390	N/A	N/A
	16QAM	/	/	/	N/A	N/A
	64QAM	/	/	/	N/A	N/A
	256QAM	/	/	/	N/A	N/A
	CP-QPSK	/	/	/	N/A	N/A
70	PI/2 BPSK	/	/	/	N/A	N/A



	QPSK	23.49	25.99	0.397	N/A	N/A
	16QAM	/	/	/	N/A	N/A
	64QAM	/	/	/	N/A	N/A
	256QAM	/	/	/	N/A	N/A
	CP-QPSK	/	/	/	N/A	N/A
80	PI/2 BPSK	/	/	/	N/A	N/A
	QPSK	23.46	25.96	0.394	N/A	N/A
	16QAM	/	/	/	N/A	N/A
	64QAM	/	/	/	N/A	N/A
	256QAM	/	/	/	N/A	N/A
	CP-QPSK	/	/	/	N/A	N/A
90	PI/2 BPSK	/	/	/	N/A	N/A
	QPSK	23.48	25.98	0.396	N/A	N/A
	16QAM	/	/	/	N/A	N/A
	64QAM	/	/	/	N/A	N/A
	256QAM	/	/	/	N/A	N/A
	CP-QPSK	/	/	/	N/A	N/A
100	PI/2 BPSK	23.87	26.37	0.434	N/A	N/A
	QPSK	24.07	26.57	0.454	N/A	N/A
	16QAM	23.53	26.03	0.401	N/A	N/A
	64QAM	23.76	26.26	0.423	N/A	N/A
	256QAM	21.98	24.48	0.281	N/A	N/A
	CP-QPSK	/	/	/	N/A	N/A

n78(3450-3550MHz)(PC2)						
Bandwidth (MHz)	Modulation	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Average (W)	99% BW (MHz)	Emission Designator
10	PI/2 BPSK	/	/	/	8.5723	8M57G7D
	QPSK	26.62	29.12	0.817	8.6048	8M60G7D
	16QAM	/	/	/	8.6183	8M62W7D
	64QAM	/	/	/	8.6051	8M61W7D
	256QAM	/	/	/	8.6095	8M61W7D
	CP-QPSK	/	/	/	8.592	8M59G7D
15	PI/2 BPSK	/	/	/	12.871	12M9G7D
	QPSK	26.50	29.00	0.794	12.877	12M9G7D
	16QAM	/	/	/	12.892	12M9W7D



	64QAM	/	/	/	12.867	12M9W7D
	256QAM	/	/	/	12.855	12M9W7D
	CP-QPSK	/	/	/	12.89	12M9G7D
20	PI/2 BPSK	/	/	/	17.858	17M9G7D
	QPSK	26.66	29.16	0.824	17.874	17M9G7D
	16QAM	/	/	/	17.89	17M9W7D
	64QAM	/	/	/	17.843	17M8W7D
	256QAM	/	/	/	17.824	17M8W7D
	CP-QPSK	/	/	/	17.896	17M9G7D
25	PI/2 BPSK	/	/	/	22.87	22M9G7D
	QPSK	27.09	29.59	0.910	22.924	22M9G7D
	16QAM	/	/	/	22.903	22M9W7D
	64QAM	/	/	/	22.926	22M9W7D
	256QAM	/	/	/	22.902	22M9W7D
	CP-QPSK	/	/	/	22.893	22M9G7D
30	PI/2 BPSK	/	/	/	26.813	26M8G7D
	QPSK	26.98	29.48	0.887	26.839	26M8G7D
	16QAM	/	/	/	26.846	26M9W7D
	64QAM	/	/	/	26.828	26M8W7D
	256QAM	/	/	/	26.845	26M9W7D
	CP-QPSK	/	/	/	26.823	26M8G7D
40	PI/2 BPSK	/	/	/	35.779	35M8G7D
	QPSK	26.87	29.37	0.865	35.803	35M8G7D
	16QAM	/	/	/	35.819	35M8W7D
	64QAM	/	/	/	35.801	35M8W7D
	256QAM	/	/	/	35.785	35M8W7D
	CP-QPSK	/	/	/	35.741	35M7G7D
50	PI/2 BPSK	/	/	/	45.807	45M8G7D
	QPSK	27.16	29.66	0.925	45.784	45M8G7D
	16QAM	/	/	/	45.841	45M8W7D
	64QAM	/	/	/	45.727	45M7W7D
	256QAM	/	/	/	45.753	45M8W7D
	CP-QPSK	/	/	/	45.701	45M7G7D
60	PI/2 BPSK	/	/	/	57.924	57M9G7D
	QPSK	27.07	29.57	0.906	57.862	57M9G7D
	16QAM	/	/	/	57.827	57M8W7D
	64QAM	/	/	/	57.923	57M9W7D



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	256QAM	/	/	/	57.919	57M9W7D
	CP-QPSK	/	/	/	57.851	57M9G7D
70	PI/2 BPSK	/	/	/	64.294	64M3G7D
	QPSK	27.12	29.62	0.916	64.27	64M3G7D
	16QAM	/	/	/	64.296	64M3W7D
	64QAM	/	/	/	64.186	64M2W7D
	256QAM	/	/	/	64.204	64M2W7D
	CP-QPSK	/	/	/	64.212	64M2G7D
80	PI/2 BPSK	/	/	/	77.105	77M1G7D
	QPSK	27.14	29.64	0.920	77.166	77M2G7D
	16QAM	/	/	/	77.239	77M2W7D
	64QAM	/	/	/	77.059	77M1W7D
	256QAM	/	/	/	77.115	77M1W7D
	CP-QPSK	/	/	/	77.095	77M1G7D
90	PI/2 BPSK	/	/	/	86.876	86M9G7D
	QPSK	27.15	29.65	0.923	86.69	86M7G7D
	16QAM	/	/	/	86.771	86M8W7D
	64QAM	/	/	/	86.906	86M9W7D
	256QAM	/	/	/	86.71	86M7W7D
	CP-QPSK	/	/	/	86.781	86M8G7D
100	PI/2 BPSK	26.85	29.35	0.861	96.32	96M3G7D
	QPSK	27.31	29.81	0.957	96.463	96M5G7D
	16QAM	26.14	28.64	0.731	96.267	96M3W7D
	64QAM	24.74	27.24	0.530	96.594	96M6W7D
	256QAM	22.57	25.07	0.321	96.52	96M5W7D
	CP-QPSK	/	/	/	96.192	96M2G7D

n78(3700-3800MHz) (PC2)						
Bandwidth (MHz)	Modulation	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Average (W)	99% BW (MHz)	Emission Designator
10	PI/2 BPSK	/	/	/	8.5893	8M59G7D
	QPSK	26.97	29.47	0.885	8.6177	8M62G7D
	16QAM	/	/	/	8.5988	8M60W7D
	64QAM	/	/	/	8.5746	8M57W7D
	256QAM	/	/	/	8.5949	8M59W7D
	CP-QPSK	/	/	/	8.583	8M58G7D



15	PI/2 BPSK	/	/	/	12.863	12M9G7D
	QPSK	26.76	29.26	0.843	12.85	12M9G7D
	16QAM	/	/	/	12.861	12M9W7D
	64QAM	/	/	/	12.875	12M9W7D
	256QAM	/	/	/	12.869	12M9W7D
	CP-QPSK	/	/	/	12.876	12M9G7D
20	PI/2 BPSK	/	/	/	17.816	17M8G7D
	QPSK	26.69	29.19	0.830	17.826	17M8G7D
	16QAM	/	/	/	17.858	17M9W7D
	64QAM	/	/	/	17.842	17M8W7D
	256QAM	/	/	/	17.853	17M9W7D
	CP-QPSK	/	/	/	17.866	17M9G7D
25	PI/2 BPSK	/	/	/	22.887	22M9G7D
	QPSK	26.66	29.16	0.824	22.931	22M9G7D
	16QAM	/	/	/	22.864	22M9W7D
	64QAM	/	/	/	22.896	22M9W7D
	256QAM	/	/	/	22.878	22M9W7D
	CP-QPSK	/	/	/	22.894	22M9G7D
30	PI/2 BPSK	/	/	/	26.798	26M8G7D
	QPSK	26.62	29.12	0.817	26.85	26M9G7D
	16QAM	/	/	/	26.836	26M8W7D
	64QAM	/	/	/	26.8	26M8W7D
	256QAM	/	/	/	26.863	26M9W7D
	CP-QPSK	/	/	/	26.797	26M8G7D
40	PI/2 BPSK	/	/	/	35.784	35M8G7D
	QPSK	26.38	28.88	0.773	35.806	35M8G7D
	16QAM	/	/	/	35.799	35M8W7D
	64QAM	/	/	/	35.84	35M8W7D
	256QAM	/	/	/	35.804	35M8W7D
	CP-QPSK	/	/	/	35.691	35M7G7D
50	PI/2 BPSK	/	/	/	45.821	45M8G7D
	QPSK	26.45	28.95	0.785	45.745	45M8G7D
	16QAM	/	/	/	45.867	45M9W7D
	64QAM	/	/	/	45.759	45M8W7D
	256QAM	/	/	/	45.761	45M8W7D
	CP-QPSK	/	/	/	45.758	45M8G7D
60	PI/2 BPSK	/	/	/	57.936	57M9G7D



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	QPSK	26.36	28.86	0.769	57.884	57M9G7D
	16QAM	/	/	/	57.873	57M9W7D
	64QAM	/	/	/	57.914	57M9W7D
	256QAM	/	/	/	57.927	57M9W7D
	CP-QPSK	/	/	/	57.909	57M9G7D
70	PI/2 BPSK	/	/	/	64.274	64M3G7D
	QPSK	26.46	28.96	0.787	64.241	64M2G7D
	16QAM	/	/	/	64.241	64M2W7D
	64QAM	/	/	/	64.362	64M4W7D
	256QAM	/	/	/	64.177	64M2W7D
	CP-QPSK	/	/	/	64.221	64M2G7D
80	PI/2 BPSK	/	/	/	77.096	77M1G7D
	QPSK	26.44	28.94	0.783	77.089	77M1G7D
	16QAM	/	/	/	77.175	77M2W7D
	64QAM	/	/	/	77.189	77M2W7D
	256QAM	/	/	/	77.08	77M1W7D
	CP-QPSK	/	/	/	77.078	77M1G7D
90	PI/2 BPSK	/	/	/	86.679	86M7G7D
	QPSK	26.54	29.04	0.802	86.628	86M6G7D
	16QAM	/	/	/	86.977	87M0W7D
	64QAM	/	/	/	86.724	86M7W7D
	256QAM	/	/	/	86.599	86M6W7D
	CP-QPSK	/	/	/	86.735	86M7G7D
100	PI/2 BPSK	26.69	29.19	0.830	96.442	96M4G7D
	QPSK	26.94	29.44	0.879	96.289	96M3G7D
	16QAM	25.59	28.09	0.644	96.218	96M2W7D
	64QAM	24.28	26.78	0.476	96.358	96M4W7D
	256QAM	21.99	24.49	0.281	96.371	96M4W7D
	CP-QPSK	/	/	/	96.313	96M3G7D

n78(3450-3550MHz)(PC3)						
Bandwidth (MHz)	Modulation	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Average (W)	99% BW (MHz)	Emission Designator
10	PI/2 BPSK	/	/	/	N/A	N/A
	QPSK	24.01	26.51	0.448	N/A	N/A
	16QAM	/	/	/	N/A	N/A



	64QAM	/	/	/	N/A	N/A
	256QAM	/	/	/	N/A	N/A
	CP-QPSK	/	/	/	N/A	N/A
15	PI/2 BPSK	/	/	/	N/A	N/A
	QPSK	23.84	26.34	0.431	N/A	N/A
	16QAM	/	/	/	N/A	N/A
	64QAM	/	/	/	N/A	N/A
	256QAM	/	/	/	N/A	N/A
	CP-QPSK	/	/	/	N/A	N/A
20	PI/2 BPSK	/	/	/	N/A	N/A
	QPSK	24.02	26.52	0.449	N/A	N/A
	16QAM	/	/	/	N/A	N/A
	64QAM	/	/	/	N/A	N/A
	256QAM	/	/	/	N/A	N/A
	CP-QPSK	/	/	/	N/A	N/A
25	PI/2 BPSK	/	/	/	N/A	N/A
	QPSK	24.03	26.53	0.450	N/A	N/A
	16QAM	/	/	/	N/A	N/A
	64QAM	/	/	/	N/A	N/A
	256QAM	/	/	/	N/A	N/A
	CP-QPSK	/	/	/	N/A	N/A
30	PI/2 BPSK	/	/	/	N/A	N/A
	QPSK	24.11	26.61	0.458	N/A	N/A
	16QAM	/	/	/	N/A	N/A
	64QAM	/	/	/	N/A	N/A
	256QAM	/	/	/	N/A	N/A
	CP-QPSK	/	/	/	N/A	N/A
40	PI/2 BPSK	/	/	/	N/A	N/A
	QPSK	24.00	26.50	0.447	N/A	N/A
	16QAM	/	/	/	N/A	N/A
	64QAM	/	/	/	N/A	N/A
	256QAM	/	/	/	N/A	N/A
	CP-QPSK	/	/	/	N/A	N/A
50	PI/2 BPSK	/	/	/	N/A	N/A
	QPSK	24.07	26.57	0.454	N/A	N/A
	16QAM	/	/	/	N/A	N/A
	64QAM	/	/	/	N/A	N/A



	256QAM	/	/	/	N/A	N/A
	CP-QPSK	/	/	/	N/A	N/A
60	PI/2 BPSK	/	/	/	N/A	N/A
	QPSK	23.96	26.46	0.443	N/A	N/A
	16QAM	/	/	/	N/A	N/A
	64QAM	/	/	/	N/A	N/A
	256QAM	/	/	/	N/A	N/A
	CP-QPSK	/	/	/	N/A	N/A
70	PI/2 BPSK	/	/	/	N/A	N/A
	QPSK	23.95	26.45	0.442	N/A	N/A
	16QAM	/	/	/	N/A	N/A
	64QAM	/	/	/	N/A	N/A
	256QAM	/	/	/	N/A	N/A
	CP-QPSK	/	/	/	N/A	N/A
80	PI/2 BPSK	/	/	/	N/A	N/A
	QPSK	24.06	26.56	0.453	N/A	N/A
	16QAM	/	/	/	N/A	N/A
	64QAM	/	/	/	N/A	N/A
	256QAM	/	/	/	N/A	N/A
	CP-QPSK	/	/	/	N/A	N/A
90	PI/2 BPSK	/	/	/	N/A	N/A
	QPSK	24.02	26.52	0.449	N/A	N/A
	16QAM	/	/	/	N/A	N/A
	64QAM	/	/	/	N/A	N/A
	256QAM	/	/	/	N/A	N/A
	CP-QPSK	/	/	/	N/A	N/A
100	PI/2 BPSK	24.09	26.59	0.456	N/A	N/A
	QPSK	24.12	26.62	0.459	N/A	N/A
	16QAM	23.94	26.44	0.441	N/A	N/A
	64QAM	24.26	26.76	0.474	N/A	N/A
	256QAM	22.42	24.92	0.310	N/A	N/A
	CP-QPSK	/	/	/	N/A	N/A

n78(3700-3800MHz) (PC3)						
Bandwidth (MHz)	Modulation	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Average (W)	99% BW (MHz)	Emission Designator



10	PI/2 BPSK	/	/	/	N/A	N/A
	QPSK	23.63	26.13	0.410	N/A	N/A
	16QAM	/	/	/	N/A	N/A
	64QAM	/	/	/	N/A	N/A
	256QAM	/	/	/	N/A	N/A
	CP-QPSK	/	/	/	N/A	N/A
15	PI/2 BPSK	/	/	/	N/A	N/A
	QPSK	23.46	25.96	0.394	N/A	N/A
	16QAM	/	/	/	N/A	N/A
	64QAM	/	/	/	N/A	N/A
	256QAM	/	/	/	N/A	N/A
	CP-QPSK	/	/	/	N/A	N/A
20	PI/2 BPSK	/	/	/	N/A	N/A
	QPSK	23.56	26.06	0.404	N/A	N/A
	16QAM	/	/	/	N/A	N/A
	64QAM	/	/	/	N/A	N/A
	256QAM	/	/	/	N/A	N/A
	CP-QPSK	/	/	/	N/A	N/A
25	PI/2 BPSK	/	/	/	N/A	N/A
	QPSK	23.62	26.12	0.409	N/A	N/A
	16QAM	/	/	/	N/A	N/A
	64QAM	/	/	/	N/A	N/A
	256QAM	/	/	/	N/A	N/A
	CP-QPSK	/	/	/	N/A	N/A
30	PI/2 BPSK	/	/	/	N/A	N/A
	QPSK	23.70	26.20	0.417	N/A	N/A
	16QAM	/	/	/	N/A	N/A
	64QAM	/	/	/	N/A	N/A
	256QAM	/	/	/	N/A	N/A
	CP-QPSK	/	/	/	N/A	N/A
40	PI/2 BPSK	/	/	/	N/A	N/A
	QPSK	23.69	26.19	0.416	N/A	N/A
	16QAM	/	/	/	N/A	N/A
	64QAM	/	/	/	N/A	N/A
	256QAM	/	/	/	N/A	N/A
	CP-QPSK	/	/	/	N/A	N/A
50	PI/2 BPSK	/	/	/	N/A	N/A



	QPSK	23.82	26.32	0.429	N/A	N/A
	16QAM	/	/	/	N/A	N/A
	64QAM	/	/	/	N/A	N/A
	256QAM	/	/	/	N/A	N/A
	CP-QPSK	/	/	/	N/A	N/A
60	PI/2 BPSK	/	/	/	N/A	N/A
	QPSK	23.68	26.18	0.415	N/A	N/A
	16QAM	/	/	/	N/A	N/A
	64QAM	/	/	/	N/A	N/A
	256QAM	/	/	/	N/A	N/A
	CP-QPSK	/	/	/	N/A	N/A
70	PI/2 BPSK	/	/	/	N/A	N/A
	QPSK	23.78	26.28	0.425	N/A	N/A
	16QAM	/	/	/	N/A	N/A
	64QAM	/	/	/	N/A	N/A
	256QAM	/	/	/	N/A	N/A
	CP-QPSK	/	/	/	N/A	N/A
80	PI/2 BPSK	/	/	/	N/A	N/A
	QPSK	23.80	26.30	0.427	N/A	N/A
	16QAM	/	/	/	N/A	N/A
	64QAM	/	/	/	N/A	N/A
	256QAM	/	/	/	N/A	N/A
	CP-QPSK	/	/	/	N/A	N/A
90	PI/2 BPSK	/	/	/	N/A	N/A
	QPSK	23.70	26.20	0.417	N/A	N/A
	16QAM	/	/	/	N/A	N/A
	64QAM	/	/	/	N/A	N/A
	256QAM	/	/	/	N/A	N/A
	CP-QPSK	/	/	/	N/A	N/A
100	PI/2 BPSK	23.85	26.35	0.432	N/A	N/A
	QPSK	23.91	26.41	0.438	N/A	N/A
	16QAM	23.65	26.15	0.412	N/A	N/A
	64QAM	23.87	26.37	0.434	N/A	N/A
	256QAM	22.01	24.51	0.282	N/A	N/A
	CP-QPSK	/	/	/	N/A	N/A



1.4. Test Standards and Results

The objective of the report is to perform testing according to Part 2, Part 22, Part 24, Part 27 and Part 96 for the EUT FCC ID Certification:

No	Identity	Document Title
1	47 CFR Part 2	Frequency Allocations and Radio Treaty Matters; General Rules and Regulations
2	47 CFR Part 22	Public Mobile Services
3	47 CFR Part 24	Personal Communications Services
4	47 CFR Part 27	Miscellaneous Wireless Communications Services
5	47 CFR Part 96	CITIZENS BROADBAND RADIO SERVICE

n2			
Item	FCC Rule No.	Requirements	Result
Effective (Isotropic) Radiated Power Output Data	§2.1046, §24.232(c)	EIRP $\leq$ 2 W	PASS
Peak-Average Ratio	§24.232(d)	Limit $\leq$ 13 dB	PASS
Bandwidth	§2.1049	OBW: No limit EBW: No limit	PASS
Band Edges Compliance	§2.1051, §24.238(a)(b)	Refer to section 2.6	PASS
Spurious Emission at Antenna Terminals	§2.1051, §24.238(a)(b)	$\leq$ -13 dBm/1MHz	PASS
Field Strength of Spurious Radiation	§2.1053, §24.238(a)	$\leq$ -13 dBm/1MHz	PASS
Frequency Stability	§2.1055, §24.235	No limit	N/A

Remark: For the verdict, the “N/A” denotes “not applicable”, the “N/T” denotes “not tested”.



n5			
Item	FCC Rule No.	Requirements	Result
Effective (Isotropic) Radiated Power Output Data	§2.1046, §22.913(a)(5)	ERP ≤ 7W	PASS
Peak-Average Ratio	N/A	N/A	N/A
Bandwidth	§2.1049	OBW: No limit EBW: No limit	PASS
Band Edges Compliance	§2.1051, §22.917(a)(b)	Refer to section 2.6	PASS
Spurious Emission at Antenna Terminals	§2.1051, §22.917(a)	≤ -13 dBm/1MHz	PASS
Field Strength of Spurious Radiation	§2.1053, §22.917(a)	≤ -13 dBm/1MHz	PASS
Frequency Stability	§2.1055, §22.355	≤ ±2.5ppm	PASS

Remark: For the verdict, the "N/A" denotes "not applicable", the "N/T" denotes "not tested".

n48			
Item	FCC Rule No.	Requirements	Result
Effective (Isotropic) Radiated Power Output Data	§2.1046, §96.41(b)	Refer to section 2.1	PASS
Peak-Average Ratio	§96.39(g)	≤ 13 dB	PASS
Bandwidth	§2.1049	OBW: No limit EBW: No limit	PASS
Band Edges Compliance	§2.1051, §96.41(e)	Refer to section 2.6	PASS
Spurious Emission at Antenna Terminals	§2.1051, §96.41(e)	≤ -40 dBm/1MHz	PASS
Field Strength of Spurious Radiation	§2.1053, §96.41(e)	≤ -40 dBm/1MHz	PASS
Frequency Stability	§2.1055, §27.54	No limit	N/A

Remark: For the verdict, the "N/A" denotes "not applicable", the "N/T" denotes "not tested".



n66			
Item	FCC Rule No.	Requirements	Result
Effective (Isotropic) Radiated Power Output Data	§2.1046, §27.50(d)(4)	EIRP $\leq$ 1 W	PASS
Peak-Average Ratio	§27.50(d) (5)	Limit $\leq$ 13 dB	PASS
Bandwidth	§2.1049	OBW: No limit. EBW: No limit.	PASS
Band Edges Compliance	§2.1051, §27.53(h)(1) §27.53(h)(3)(i)	Refer to section 2.6	PASS
Spurious Emission at Antenna Terminals	§2.1051, §27.53(h)(1)	$\leq$ -13 dBm/1MHz	PASS
Field Strength of Spurious Radiation	§2.1053, §27.53(h)(1)	$\leq$ -13 dBm/1MHz.	PASS
Frequency Stability	§2.1055, §27.54	No limit	N/A

Remark: For the verdict, the "N/A" denotes "not applicable", the "N/T" denotes "not tested".

n77(3450~3550MHz) & n78(3450~3550MHz)			
Item	FCC Rule No.	Requirements	Result
Effective (Isotropic) Radiated Power Output Data	§2.1046, §27.50(K)(3)	EIRP $\leq$ 1W	PASS
Peak-Average Ratio	§27.50(K)(4)	$\leq$ 13 dB	PASS
Bandwidth	§2.1049	OBW: No limit. EBW: No limit.	PASS
Band Edges Compliance	§2.1051, §27.53(l)(2)	Refer to section 2.6	PASS
Spurious Emission at Antenna Terminals	§2.1051, §27.53(l)(2)	$\leq$ -13 dBm/1MHz	PASS
Field Strength of Spurious Radiation	§2.1053, §27.53(l)(2)	$\leq$ -13 dBm/1MHz.	PASS
Frequency Stability	§2.1055, §27.54	No limit	N/A

Remark: For the verdict, the "N/A" denotes "not applicable", the "N/T" denotes "not tested".



n77(3700~3980MHz) & n78(3700~3800MHz)			
Item	FCC Rule No.	Requirements	Result
Effective (Isotropic) Radiated Power Output Data	§2.1046, §27.50(j)(3)	EIRP $\leq$ 1W	PASS
Peak-Average Ratio	§27.50(j)(4)	$\leq$ 13 dB	PASS
Bandwidth	§2.1049	OBW: No limit. EBW: No limit.	PASS
Band Edges Compliance	§2.1051, §27.53(n)(2)	Refer to section 2.6	PASS
Spurious Emission at Antenna Terminals	§2.1051, §27.53(n)(2)	$\leq$ -13 dBm/1MHz	PASS
Field Strength of Spurious Radiation	§2.1053, §27.53(m)(4)	$\leq$ -13 dBm/1MHz.	PASS
Frequency Stability	§2.1055, §27.54	No limit	N/A

Remark: For the verdict, the "N/A" denotes "not applicable", the "N/T" denotes "not tested".



Test detailed items/section required by FCC rules and results are as below:

Test Item	Test Engineer	Result	Method Determination /Remark
Transmitter Conducted Output Power and ERP/EIRP	Gan Jing	PASS	Nodeviation
Occupied Bandwidth	Gan Jing	PASS	Nodeviation
Frequency Stability	Gan Jing	PASS	Nodeviation
Peak to Average Radio	Gan Jing	PASS	Nodeviation
Conducted Spurious Emissions	Gan Jing	PASS	Nodeviation
Band Edge	Gan Jing	PASS	Nodeviation
Radiated Spurious Emissions	Li Hanbin	PASS	Nodeviation

Note 1: The tests were performed according to the method of measurements prescribed in KDB971168 D01 v03 and ANSI/TIA-603-E-2016.

Note 2: Additions to, deviation, or exclusions from the method shall be judged in the "method determination" column of add, deviate or exclude from the specific method shall be explained in the "Remark" of the above table.

Note 3: The declared of product specification for EUT presented in the report are provided by manufacturer and the test laboratory is not responsible for the accuracy of the information.

Note 4: When the test result is a critical value, we will use the measurement uncertainty give the judgment result based on the 95% confidence intervals.

1.5. Environmental Conditions

During the measurement, the environmental conditions were within the listed ranges:

Temperature (°C):	15 - 35
Relative Humidity (%):	30 -60
Atmospheric Pressure (kPa):	86-106

2. Summary Test Results And Description

2.1. Transmitter Conducted Output Power

2.1.1. Requirement

According to FCC section 2.1046(a), for transmitters other than single sideband, independent sideband and controlled carrier radiotelephone, power output shall be measured at the RF output terminals when the transmitter is adjusted in accordance with the tune-up procedure to give the values of current and voltage on the circuit elements specified in FCC section 2.1033(c)(8).

According to FCC section 24.232 (c) for n2, the ERP of Mobile and portable stations are limited to 2 watts EIRP.

According to FCC section 22.913 (a)(5) for n5, n26(824-849MHz), the ERP of mobile transmitters and auxiliary test transmitters must not exceed 7 watts.

According to FCC section 27.50 (d)(4) for n66, Fixed, mobile and portable (hand-held) stations in the 1710-1755MHz band are limited to 1wat E.I.R.P.

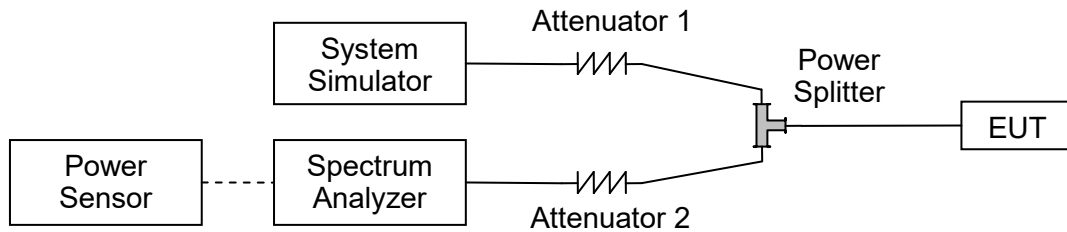
According to FCC section 96.41(b) for n48, the maximum effective isotropic radiated power (EIRP) and maximum Power Spectral Density (PSD) of any CBSD and End User Device must comply with the limits shown in the table as below. Paragraph

Device	Maximum EIRP (dBm/10 megahertz)	Maximum PSD (dBm/MHz)
End User Device	23	n/a
Category A CBSD	30	20
Category B CBSD ¹	47	37

According to FCC section 27.50(j)(3) for n77(3700-3980MHz), n78(3700-3800MHz), mobile and portable stations are limited to 1 Watt EIRP. Mobile and portable stations operating in these bands must employ a means for limiting power to the minimum necessary for successful communications.

According to FCC section 27.50(k)(3) for n77, n78(3450-3550MHz), Mobile devices are limited to 1Watt (30 dBm) EIRP. Mobile devices operating in these bands must employ a means for limiting power to the minimum necessary for successful communications.

2.1.2. Test Description



The EUT is coupled to the Spectrum Analyzer (SA) and the System Simulator (SS) with Attenuators through the Power Splitter; the RF load attached to the EUT antenna terminal is 50Ohm; the path loss as the factor is calibrated to correct the reading. The EUT is commanded by the SS to operate at the maximum output power. A call is established between the EUT and the SS.

2.1.3. Test procedure

KDB 971168 D01v03 Section 5.2 and ANSI/TIA-603-E-2016.

2.1.4. Conducted Output Power

Worse case:

n2						
BW [MHz]	Modulation	RB num	RB start	Low Channel	Middle Channel	High Channel
Channel				373000	376000	379000
Frequency (MHz)				1865	1880	1895
30	DFT-s-OFDM PI/2 BPSK	1	1	23.33	23.35	23.27
30		1	80	23.29	23.25	23.17
30		1	158	23.22	23.23	23.27
30		80	1	22.90	22.84	22.78
30		80	40	23.30	23.29	23.21
30		80	80	22.85	22.72	22.72
30		160	0	22.86	22.85	22.75
30	DFT-s-OFDM QPSK	1	1	23.39	23.43	23.38
30		1	80	23.35	23.32	23.22
30		1	158	23.32	23.16	22.83
30		80	1	23.28	23.30	23.29
30		80	40	23.29	23.17	23.22
30		80	80	22.32	22.28	22.25
30		160	0	22.45	22.28	22.31
30	DFT-s-OFDM 16QAM	1	1	22.43	22.40	22.32
30	DFT-s-OFDM 64QAM	1	1	20.78	20.84	20.71
30	DFT-s-OFDM 256QAM	1	1	18.50	18.61	18.47
30	CP-OFDM QPSK	1	1	21.92	21.97	21.92
30	CP-OFDM 16QAM	1	1	21.40	21.46	21.32
30	CP-OFDM 64QAM	1	1	19.48	19.48	19.44
30	CP-OFDM 256QAM	1	1	16.59	16.61	16.49
Channel				372500	376000	379500
Frequency (MHz)				1862.5	1880	1897.5
25	DFT-s-OFDM QPSK	1	1	23.41	23.33	23.21
Channel				372000	376000	380000
Frequency (MHz)				1860	1880	1900
20	DFT-s-OFDM QPSK	1	1	23.13	23.14	23.01
Channel				371500	376000	380500
Frequency (MHz)				1857.5	1880	1902.5
15	DFT-s-OFDM QPSK	1	1	23.18	23.13	22.96
Channel				371000	376000	381000
Frequency (MHz)				1855	1880	1905
10	DFT-s-OFDM QPSK	1	1	23.11	23.09	22.98
Channel				370500	376000	381500
Frequency (MHz)				1852.5	1880	1907.5
5	DFT-s-OFDM QPSK	1	1	23.20	23.06	23.13



n5						
BW [MHz]	Modulation	RB num	RB start	Low Channel	Middle Channel	High Channel
Channel				166800	167300	167800
Frequency (MHz)				834	836.5	839
20	DFT-s-OFDM PI/2 BPSK	1	1	23.43	23.44	23.47
20		1	53	23.38	23.41	23.47
20		1	104	23.45	23.42	23.39
20		50	1	22.96	22.94	23.07
20		50	25	23.43	23.53	23.50
20		50	50	22.96	22.97	22.98
20		100	0	23.11	23.08	23.18
20	DFT-s-OFDM QPSK	1	1	23.52	23.57	23.56
20		1	53	23.41	23.52	23.38
20		1	104	23.39	23.45	23.28
20		50	1	22.46	22.43	22.46
20		50	25	23.37	23.34	23.36
20		50	50	22.42	22.46	22.50
20		100	0	22.66	22.58	22.70
20	DFT-s-OFDM 16QAM	1	1	22.46	22.48	22.48
20	DFT-s-OFDM 64QAM	1	1	20.94	20.87	20.99
20	DFT-s-OFDM 256QAM	1	1	18.68	18.74	18.73
20	CP-OFDM QPSK	1	1	22.03	21.91	22.20
20	CP-OFDM 16QAM	1	1	21.53	21.40	21.48
20	CP-OFDM 64QAM	1	1	19.51	19.56	19.65
20	CP-OFDM 256QAM	1	1	16.63	16.65	16.71
Channel				166300	167300	168300
Frequency (MHz)				831.5	836.5	841.5
15	DFT-s-OFDM QPSK	1	1	23.42	23.42	23.36
Channel				165800	167300	168800
Frequency (MHz)				829	836.5	844
10	DFT-s-OFDM QPSK	1	1	23.46	23.36	23.39
Channel				165300	167300	169300
Frequency (MHz)				826.5	836.5	846.5
5	DFT-s-OFDM QPSK	1	1	23.37	23.32	23.36

n48						
BW [MHz]	Modulation	RB num	RB start	Low Channel	Middle Channel	High Channel
Channel				638000	641666	645332
Frequency (MHz)				3570	3624.99	3679.98
40	DFT-s-OFDM PI/2 BPSK	1	1	21.24	21.33	21.17
40		1	53	21.24	21.25	20.99
40		1	104	21.31	21.32	21.11
40		50	1	20.77	20.80	20.68
40		50	25	21.31	21.43	21.29
40		50	50	20.76	20.89	20.56
40		100	0	20.84	20.74	20.67
40		1	1	21.42	21.58	21.48
40	DFT-s-OFDM QPSK	1	53	21.10	21.19	20.94
40		1	104	21.30	21.30	21.07
40		50	1	21.26	21.36	20.18
40		50	25	21.27	21.19	21.08
40		50	50	20.26	20.39	20.05
40		100	0	20.26	20.22	20.17
40	DFT-s-OFDM 16QAM	1	1	20.14	20.35	20.12
40	DFT-s-OFDM 64QAM	1	1	18.84	19.04	18.77
40	DFT-s-OFDM 256QAM	1	1	16.54	16.75	16.44
40	CP-OFDM QPSK	1	1	19.78	19.97	19.72
40	CP-OFDM 16QAM	1	1	19.28	19.46	19.19
40	CP-OFDM 64QAM	1	1	17.35	17.47	17.19
40	CP-OFDM 256QAM	1	1	14.56	14.71	14.46
Channel				637668	641666	645666
Frequency (MHz)				3565.02	3624.99	3684.99
30	DFT-s-OFDM QPSK	1	1	21.30	21.49	21.20
Channel				637334	641666	646000
Frequency (MHz)				3560.01	3624.99	3690
20	DFT-s-OFDM QPSK	1	1	21.20	21.29	21.10
Channel				637168	641666	646166
Frequency (MHz)				3557.52	3624.99	3692.49
15	DFT-s-OFDM QPSK	1	1	21.16	21.22	21.08
Channel				637000	641666	646332
Frequency (MHz)				3555	3624.99	3694.98
10	DFT-s-OFDM QPSK	1	1	21.30	21.35	21.21

n66						
BW [MHz]	Modulation	RB num	RB start	Low Channel	Middle Channel	High Channel
Channel				346000	349000	352000
Frequency (MHz)				1730	1745	1760
40	DFT-s-OFDM PI/2 BPSK	1	1	23.58	23.55	23.54
40		1	108	23.45	23.33	23.22
40		1	214	23.48	23.36	23.31
40		108	1	23.09	23.07	22.93
40		108	54	23.58	23.47	23.35
40		108	108	22.99	22.89	22.88
40		216	0	23.06	23.09	22.98
40	DFT-s-OFDM QPSK	1	1	23.60	23.69	23.56
40		1	108	23.46	23.38	23.28
40		1	214	23.49	23.51	23.37
40		108	1	23.53	23.55	23.46
40		108	54	23.33	23.41	23.35
40		108	108	22.47	22.46	22.39
40		216	0	22.51	22.67	22.50
40	DFT-s-OFDM 16QAM	1	1	22.61	22.65	22.46
40	DFT-s-OFDM 64QAM	1	1	21.01	21.06	20.92
40	DFT-s-OFDM 256QAM	1	1	18.79	18.81	18.69
40	CP-OFDM QPSK	1	1	22.23	22.18	22.16
40	CP-OFDM 16QAM	1	1	21.65	21.61	21.41
40	CP-OFDM 64QAM	1	1	19.69	19.76	19.68
40	CP-OFDM 256QAM	1	1	16.79	16.78	16.73
Channel				345000	349000	353000
Frequency (MHz)				1725	1745	1765
30	DFT-s-OFDM QPSK	1	1	23.54	23.52	23.44
Channel				344500	349000	353500
Frequency (MHz)				1722.5	1745	1767.5
25	DFT-s-OFDM QPSK	1	1	23.67	23.61	23.44
Channel				344000	349000	354000
Frequency (MHz)				1720	1745	1770
20	DFT-s-OFDM QPSK	1	1	23.43	23.38	23.20
Channel				343500	349000	354500
Frequency (MHz)				1717.5	1745	1772.5
15	DFT-s-OFDM QPSK	1	1	23.57	23.50	23.21
Channel				343000	349000	355000
Frequency (MHz)				1715	1745	1775
10	DFT-s-OFDM QPSK	1	1	23.39	23.44	23.26
Channel				342500	349000	355500
Frequency (MHz)				1712.5	1745	1777.5



5	DFT-s-OFDM QPSK	1	1	23.37	23.30	23.18
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n77(3450-3550MHz) (PC2)						
BW [MHz]	Modulation	RB num	RB start	Low Channel	Middle Channel	High Channel
Channel				/	633334	/
Frequency (MHz)				/	3500.01	/
100	DFT-s-OFDM PI/2 BPSK	1	1	/	26.77	/
100		1	136	/	26.73	/
100		1	271	/	26.82	/
100		135	1	/	26.46	/
100		135	67	/	26.85	/
100		135	136	/	26.02	/
100		270	0	/	26.46	/
100	DFT-s-OFDM QPSK	1	1	/	27.31	/
100		1	136	/	26.74	/
100		1	271	/	26.87	/
100		135	1	/	26.75	/
100		135	67	/	26.58	/
100		135	136	/	26.66	/
100		270	0	/	26.42	/
100	DFT-s-OFDM 16QAM	1	1	/	26.14	/
100	DFT-s-OFDM 64QAM	1	1	/	24.74	/
100	DFT-s-OFDM 256QAM	1	1	/	22.57	/
100	CP-OFDM QPSK	1	1	/	25.86	/
100	CP-OFDM 16QAM	1	1	/	25.30	/
100	CP-OFDM 64QAM	1	1	/	23.34	/
100	CP-OFDM 256QAM	1	1	/	20.59	/
Channel				633000	633334	633666
Frequency (MHz)				3495	3500.01	3504.99
90	DFT-s-OFDM QPSK	1	1	27.15	27.08	27.01
Channel				632668	633334	634000
Frequency (MHz)				3490.02	3500.01	3510
80	DFT-s-OFDM QPSK	1	1	27.14	27.04	26.97
Channel				632334	633334	634332
Frequency (MHz)				3485.01	3500.01	3514.98
70	DFT-s-OFDM QPSK	1	1	27.12	27.02	26.43
Channel				632000	633334	634666
Frequency (MHz)				3480	3500.01	3519.99
60	DFT-s-OFDM QPSK	1	1	27.07	26.94	26.82
Channel				631668	633334	635000
Frequency (MHz)				3475.02	3500.01	3525
50	DFT-s-OFDM QPSK	1	1	27.16	26.97	26.92



Channel				631334	633334	635332
Frequency (MHz)				3470.01	3500.01	3529.98
40	DFT-s-OFDM QPSK	1	1	26.60	26.87	26.60
Channel				631000	633334	635666
Frequency (MHz)				3465	3500.01	3534.99
30	DFT-s-OFDM QPSK	1	1	26.69	26.98	26.58
Channel				630834	633334	635832
Frequency (MHz)				3462.51	3500.01	3537.48
25	DFT-s-OFDM QPSK	1	1	27.09	26.89	26.50
Channel				630668	633334	636000
Frequency (MHz)				3460.02	3500.01	3540
20	DFT-s-OFDM QPSK	1	1	26.66	26.45	25.96
Channel				630500	633334	636166
Frequency (MHz)				3457.5	3500.01	3542.49
15	DFT-s-OFDM QPSK	1	1	26.50	26.31	25.84
Channel				630334	633334	636332
Frequency (MHz)				3455.01	3500.01	3544.98
10	DFT-s-OFDM QPSK	1	1	26.62	26.41	26.00

n77(3700-3980MHz) (PC2)						
BW [MHz]	Modulation	RB num	RB start	Low Channel	Middle Channel	High Channel
Channel				650000	656000	662000
Frequency (MHz)				3750	3840	3930
100	DFT-s-OFDM PI/2 BPSK	1	1	26.63	26.44	26.69
100		1	136	26.22	26.30	26.30
100		1	271	26.13	26.62	26.57
100		135	1	26.16	25.68	26.02
100		135	67	26.39	26.41	26.47
100		135	136	25.58	25.66	26.17
100		270	0	25.85	25.96	26.09
100	DFT-s-OFDM QPSK	1	1	26.82	26.94	26.90
100		1	136	26.23	26.26	26.25
100		1	271	26.15	26.53	26.46
100		135	1	26.37	26.49	26.44
100		135	67	26.01	26.10	26.11
100		135	136	25.00	25.15	25.69
100		270	0	25.36	25.46	25.59
100	DFT-s-OFDM 16QAM	1	1	25.51	25.41	25.59
100	DFT-s-OFDM 64QAM	1	1	24.14	24.00	24.28
100	DFT-s-OFDM 256QAM	1	1	21.94	21.78	21.99
100	CP-OFDM QPSK	1	1	25.20	25.05	25.30
100	CP-OFDM 16QAM	1	1	24.58	24.53	24.74



100	CP-OFDM 64QAM	1	1	22.76	22.55	22.88
100	CP-OFDM 256QAM	1	1	19.93	19.76	20.12
Channel				649666	656000	662332
Frequency (MHz)				3744.99	3840	3934.98
90	DFT-s-OFDM QPSK	1	1	26.52	26.20	26.54
Channel				649334	656000	662666
Frequency (MHz)				3740.01	3840	3939.99
80	DFT-s-OFDM QPSK	1	1	26.40	26.20	26.44
Channel				649000	656000	663000
Frequency (MHz)				3735	3840	3945
70	DFT-s-OFDM QPSK	1	1	26.46	26.15	26.30
Channel				648668	656000	663332
Frequency (MHz)				3730.02	3840	3949.98
60	DFT-s-OFDM QPSK	1	1	26.36	26.06	26.25
Channel				648334	656000	663666
Frequency (MHz)				3725.01	3840	3954.99
50	DFT-s-OFDM QPSK	1	1	26.45	26.19	26.15
Channel				648000	656000	664000
Frequency (MHz)				3720	3840	3960
40	DFT-s-OFDM QPSK	1	1	26.38	26.03	26.21
Channel				647668	656000	664332
Frequency (MHz)				3715.02	3840	3964.98
30	DFT-s-OFDM QPSK	1	1	26.45	26.17	26.62
Channel				647500	656000	664500
Frequency (MHz)				3712.5	3840	3967.5
25	DFT-s-OFDM QPSK	1	1	26.42	26.17	26.66
Channel				647334	656000	664666
Frequency (MHz)				3710.01	3840	3969.99
20	DFT-s-OFDM QPSK	1	1	26.34	26.14	26.69
Channel				647168	656000	664832
Frequency (MHz)				3707.52	3840	3972.48
15	DFT-s-OFDM QPSK	1	1	26.30	26.15	26.76
Channel				647000	656000	665000
Frequency (MHz)				3705	3840	3975
10	DFT-s-OFDM QPSK	1	1	26.46	26.28	26.97

n77(3450-3550MHz) (PC3)						
BW [MHz]	Modulation	RB num	RB start	Low Channel	Middle Channel	High Channel
Channel				/	633334	/
Frequency (MHz)				/	3500.01	/
100	DFT-s-OFDM PI/2 BPSK	1	1	/	24.45	/
100		1	136	/	23.93	/
100		1	271	/	23.68	/
100		135	1	/	24.21	/



100		135	67	/	24.01	/
100		135	136	/	23.57	/
100		270	0	/	24.09	/
100	DFT-s-OFDM QPSK	1	1	/	24.49	/
100		1	136	/	23.90	/
100		1	271	/	23.71	/
100		135	1	/	24.23	/
100		135	67	/	23.97	/
100		135	136	/	23.53	/
100		270	0	/	24.09	/
100	DFT-s-OFDM 16QAM	1	1	/	24.27	/
100	DFT-s-OFDM 64QAM	1	1	/	24.48	/
100	DFT-s-OFDM 256QAM	1	1	/	22.71	/
100	CP-OFDM QPSK	1	1	/	24.44	/
100	CP-OFDM 16QAM	1	1	/	24.35	/
100	CP-OFDM 64QAM	1	1	/	23.47	/
100	CP-OFDM 256QAM	1	1	/	20.73	/
Channel				633000	633334	633666
Frequency (MHz)				3495	3500.01	3504.99
90	DFT-s-OFDM QPSK	1	1	24.33	24.29	24.24
Channel				632668	633334	634000
Frequency (MHz)				3490.02	3500.01	3510
80	DFT-s-OFDM QPSK	1	1	24.32	24.26	24.25
Channel				632334	633334	634332
Frequency (MHz)				3485.01	3500.01	3514.98
70	DFT-s-OFDM QPSK	1	1	24.26	24.27	24.07
Channel				632000	633334	634666
Frequency (MHz)				3480	3500.01	3519.99
60	DFT-s-OFDM QPSK	1	1	24.20	24.11	24.04
Channel				631668	633334	635000
Frequency (MHz)				3475.02	3500.01	3525
50	DFT-s-OFDM QPSK	1	1	24.42	24.29	24.13
Channel				631334	633334	635332
Frequency (MHz)				3470.01	3500.01	3529.98
40	DFT-s-OFDM QPSK	1	1	24.27	24.09	23.73
Channel				631000	633334	635666
Frequency (MHz)				3465	3500.01	3534.99
30	DFT-s-OFDM QPSK	1	1	24.41	24.13	23.65
Channel				630834	633334	635832
Frequency (MHz)				3462.51	3500.01	3537.48
25	DFT-s-OFDM QPSK	1	1	24.33	24.18	23.47
Channel				630668	633334	636000
Frequency (MHz)				3460.02	3500.01	3540



20	DFT-s-OFDM QPSK	1	1	24.28	24.02	23.35
Channel				630500	633334	636166
Frequency (MHz)				3457.5	3500.01	3542.49
15	DFT-s-OFDM QPSK	1	1	24.21	23.94	23.35
Channel				630334	633334	636332
Frequency (MHz)				3455.01	3500.01	3544.98
10	DFT-s-OFDM QPSK	1	1	24.30	24.08	23.43

n77(3700-3980MHz) (PC3)						
BW [MHz]	Modulation	RB num	RB start	Low Channel	Middle Channel	High Channel
Channel				650000	656000	662000
Frequency (MHz)				3750	3840	3930
100	DFT-s-OFDM PI/2 BPSK	1	1	23.65	23.62	23.59
100		1	136	23.36	23.37	23.41
100		1	271	23.29	23.52	23.65
100		135	1	23.74	23.32	23.46
100		135	67	23.41	23.49	23.52
100		135	136	23.21	23.10	23.87
100		270	0	23.50	23.54	23.64
100		1	1	23.60	24.07	23.58
100	DFT-s-OFDM QPSK	1	136	23.37	23.31	23.35
100		1	271	23.32	23.52	24.03
100		135	1	23.67	23.91	23.50
100		135	67	23.33	23.43	23.48
100		135	136	23.17	23.12	23.88
100		270	0	23.43	23.55	23.65
100	DFT-s-OFDM 16QAM	1	1	23.53	23.51	23.53
100	DFT-s-OFDM 64QAM	1	1	23.76	23.74	23.72
100	DFT-s-OFDM 256QAM	1	1	21.91	21.98	21.87
100	CP-OFDM QPSK	1	1	23.70	23.73	23.66
100	CP-OFDM 16QAM	1	1	23.60	23.60	23.53
100	CP-OFDM 64QAM	1	1	22.73	22.75	22.68
100	CP-OFDM 256QAM	1	1	19.95	20.00	19.92
Channel				649666	656000	662332
Frequency (MHz)				3744.99	3840	3934.98
90	DFT-s-OFDM QPSK	1	1	23.48	23.42	23.39
Channel				649334	656000	662666
Frequency (MHz)				3740.01	3840	3939.99
80	DFT-s-OFDM QPSK	1	1	23.46	23.43	23.35
Channel				649000	656000	663000
Frequency (MHz)				3735	3840	3945



70	DFT-s-OFDM QPSK	1	1	23.49	23.38	23.27
Channel				648668	656000	663332
Frequency (MHz)				3730.02	3840	3949.98
60	DFT-s-OFDM QPSK	1	1	23.41	23.31	23.31
Channel				648334	656000	663666
Frequency (MHz)				3725.01	3840	3954.99
50	DFT-s-OFDM QPSK	1	1	23.56	23.37	23.28
Channel				648000	656000	664000
Frequency (MHz)				3720	3840	3960
40	DFT-s-OFDM QPSK	1	1	23.42	23.21	23.40
Channel				647668	656000	664332
Frequency (MHz)				3715.02	3840	3964.98
30	DFT-s-OFDM QPSK	1	1	23.50	23.32	23.81
Channel				647500	656000	664500
Frequency (MHz)				3712.5	3840	3967.5
25	DFT-s-OFDM QPSK	1	1	23.41	23.27	23.81
Channel				647334	656000	664666
Frequency (MHz)				3710.01	3840	3969.99
20	DFT-s-OFDM QPSK	1	1	23.35	23.22	23.82
Channel				647168	656000	664832
Frequency (MHz)				3707.52	3840	3972.48
15	DFT-s-OFDM QPSK	1	1	23.31	23.24	23.89
Channel				647000	656000	665000
Frequency (MHz)				3705	3840	3975
10	DFT-s-OFDM QPSK	1	1	23.46	23.38	24.02

n78(3450-3550MHz) (PC2)						
BW [MHz]	Modulation	RB num	RB start	Low Channel	Middle Channel	High Channel
Channel				/	633334	/
Frequency (MHz)				/	3500.01	/
100	DFT-s-OFDM PI/2 BPSK	1	1	/	26.89	/
100		1	136	/	26.45	/
100		1	271	/	26.56	/
100		135	1	/	26.08	/
100		135	67	/	26.44	/
100		135	136	/	25.64	/
100		270	0	/	26.05	/
100	DFT-s-OFDM QPSK	1	1	/	26.91	/
100		1	136	/	26.36	/
100		1	271	/	26.51	/
100		135	1	/	26.44	/
100		135	67	/	26.34	/
100		135	136	/	26.30	/
100		270	0	/	26.25	/



100	DFT-s-OFDM 16QAM	1	1	/	25.89	/
100	DFT-s-OFDM 64QAM	1	1	/	24.37	/
100	DFT-s-OFDM 256QAM	1	1	/	22.25	/
100	CP-OFDM QPSK	1	1	/	25.44	/
100	CP-OFDM 16QAM	1	1	/	24.85	/
100	CP-OFDM 64QAM	1	1	/	23.01	/
100	CP-OFDM 256QAM	1	1	/	20.23	/
Channel				633000	633334	633666
Frequency (MHz)				3495	3500.01	3504.99
90	DFT-s-OFDM QPSK	1	1	26.77	26.81	26.75
Channel				632668	633334	634000
Frequency (MHz)				3490.02	3500.01	3510
80	DFT-s-OFDM QPSK	1	1	26.85	26.73	26.58
Channel				632334	633334	634332
Frequency (MHz)				3485.01	3500.01	3514.98
70	DFT-s-OFDM QPSK	1	1	26.80	26.66	26.52
Channel				632000	633334	634666
Frequency (MHz)				3480	3500.01	3519.99
60	DFT-s-OFDM QPSK	1	1	26.69	26.64	26.56
Channel				631668	633334	635000
Frequency (MHz)				3475.02	3500.01	3525
50	DFT-s-OFDM QPSK	1	1	26.88	26.71	26.60
Channel				631334	633334	635332
Frequency (MHz)				3470.01	3500.01	3529.98
40	DFT-s-OFDM QPSK	1	1	26.72	26.54	26.29
Channel				631000	633334	635666
Frequency (MHz)				3465	3500.01	3534.99
30	DFT-s-OFDM QPSK	1	1	26.86	26.64	26.28
Channel				630834	633334	635832
Frequency (MHz)				3462.51	3500.01	3537.48
25	DFT-s-OFDM QPSK	1	1	26.75	26.58	26.16
Channel				630668	633334	636000
Frequency (MHz)				3460.02	3500.01	3540
20	DFT-s-OFDM QPSK	1	1	26.73	26.51	26.02
Channel				630500	633334	636166
Frequency (MHz)				3457.5	3500.01	3542.49
15	DFT-s-OFDM QPSK	1	1	26.61	26.36	25.95
Channel				630334	633334	636332
Frequency (MHz)				3455.01	3500.01	3544.98
10	DFT-s-OFDM QPSK	1	1	26.82	26.49	26.25



n78(3700-3800MHz) (PC2)						
BW [MHz]	Modulation	RB num	RB start	Low Channel	Middle Channel	High Channel
Channel				/	650000	/
Frequency (MHz)				/	3750	/
100	DFT-s-OFDM PI/2 BPSK	1	1	/	26.59	/
100		1	136	/	26.40	/
100		1	271	/	26.24	/
100		135	1	/	26.32	/
100		135	67	/	26.51	/
100		135	136	/	25.69	/
100		270	0	/	26.04	/
100	DFT-s-OFDM QPSK	1	1	/	26.67	/
100		1	136	/	26.41	/
100		1	271	/	26.26	/
100		135	1	/	26.38	/
100		135	67	/	26.30	/
100		135	136	/	26.26	/
100		270	0	/	26.17	/
100	DFT-s-OFDM 16QAM	1	1	/	25.63	/
100	DFT-s-OFDM 64QAM	1	1	/	24.25	/
100	DFT-s-OFDM 256QAM	1	1	/	21.98	/
100	CP-OFDM QPSK	1	1	/	25.30	/
100	CP-OFDM 16QAM	1	1	/	24.78	/
100	CP-OFDM 64QAM	1	1	/	22.82	/
100	CP-OFDM 256QAM	1	1	/	20.02	/
Channel				649666	656000	662332
Frequency (MHz)				3744.99	3840	3934.98
90	DFT-s-OFDM QPSK	1	1	26.63	26.59	26.67
Channel				649334	656000	662666
Frequency (MHz)				3740.01	3840	3939.99
80	DFT-s-OFDM QPSK	1	1	26.62	26.65	26.78
Channel				649000	656000	663000
Frequency (MHz)				3735	3840	3945
70	DFT-s-OFDM QPSK	1	1	26.56	26.68	26.75
Channel				648668	656000	663332
Frequency (MHz)				3730.02	3840	3949.98
60	DFT-s-OFDM QPSK	1	1	26.49	26.67	26.58
Channel				648334	656000	663666
Frequency (MHz)				3725.01	3840	3954.99
50	DFT-s-OFDM QPSK	1	1	26.58	26.74	26.43
Channel				648000	656000	664000
Frequency (MHz)				3720	3840	3960



40	DFT-s-OFDM QPSK	1	1	26.47	26.67	26.23
Channel				647668	656000	664332
Frequency (MHz)				3715.02	3840	3964.98
30	DFT-s-OFDM QPSK	1	1	26.53	26.67	26.23
Channel				647500	656000	664500
Frequency (MHz)				3712.5	3840	3967.5
25	DFT-s-OFDM QPSK	1	1	26.48	26.55	25.96
Channel				647334	656000	664666
Frequency (MHz)				3710.01	3840	3969.99
20	DFT-s-OFDM QPSK	1	1	26.44	26.51	25.90
Channel				647168	656000	664832
Frequency (MHz)				3707.52	3840	3972.48
15	DFT-s-OFDM QPSK	1	1	26.38	26.41	25.95
Channel				647000	656000	665000
Frequency (MHz)				3705	3840	3975
10	DFT-s-OFDM QPSK	1	1	26.54	26.49	26.09

n78(3450-3550MHz) (PC3)						
BW [MHz]	Modulation	RB num	RB start	Low Channel	Middle Channel	High Channel
Channel				/	633334	/
Frequency (MHz)				/	3500.01	/
100	DFT-s-OFDM PI/2 BPSK	1	1	/	24.09	/
100		1	136	/	23.59	/
100		1	271	/	23.42	/
100		135	1	/	23.86	/
100		135	67	/	23.72	/
100		135	136	/	23.20	/
100		270	0	/	23.77	/
100		1	1	/	24.12	/
100	DFT-s-OFDM QPSK	1	136	/	23.61	/
100		1	271	/	23.38	/
100		135	1	/	23.88	/
100		135	67	/	23.69	/
100		135	136	/	23.25	/
100		270	0	/	23.74	/
100	DFT-s-OFDM 16QAM	1	1	/	23.94	/
100	DFT-s-OFDM 64QAM	1	1	/	24.26	/
100	DFT-s-OFDM 256QAM	1	1	/	22.42	/
100	CP-OFDM QPSK	1	1	/	24.15	/
100	CP-OFDM 16QAM	1	1	/	24.17	/
100	CP-OFDM 64QAM	1	1	/	23.30	/
100	CP-OFDM 256QAM	1	1	/	20.41	/



Channel				633000	633334	633666
Frequency (MHz)				3495	3500.01	3504.99
90	DFT-s-OFDM QPSK	1	1	24.00	23.98	24.02
Channel				632668	633334	634000
Frequency (MHz)				3490.02	3500.01	3510
80	DFT-s-OFDM QPSK	1	1	24.06	24.03	23.92
Channel				632334	633334	634332
Frequency (MHz)				3485.01	3500.01	3514.98
70	DFT-s-OFDM QPSK	1	1	23.94	23.95	23.88
Channel				632000	633334	634666
Frequency (MHz)				3480	3500.01	3519.99
60	DFT-s-OFDM QPSK	1	1	23.96	23.94	23.83
Channel				631668	633334	635000
Frequency (MHz)				3475.02	3500.01	3525
50	DFT-s-OFDM QPSK	1	1	24.07	23.95	23.85
Channel				631334	633334	635332
Frequency (MHz)				3470.01	3500.01	3529.98
40	DFT-s-OFDM QPSK	1	1	24.00	23.81	23.55
Channel				631000	633334	635666
Frequency (MHz)				3465	3500.01	3534.99
30	DFT-s-OFDM QPSK	1	1	24.11	23.90	23.38
Channel				630834	633334	635832
Frequency (MHz)				3462.51	3500.01	3537.48
25	DFT-s-OFDM QPSK	1	1	24.03	23.87	23.21
Channel				630668	633334	636000
Frequency (MHz)				3460.02	3500.01	3540
20	DFT-s-OFDM QPSK	1	1	24.02	23.84	23.12
Channel				630500	633334	636166
Frequency (MHz)				3457.5	3500.01	3542.49
15	DFT-s-OFDM QPSK	1	1	23.84	23.63	22.99
Channel				630334	633334	636332
Frequency (MHz)				3455.01	3500.01	3544.98
10	DFT-s-OFDM QPSK	1	1	24.01	23.78	23.17

n78(3700-3800MHz) (PC3)						
BW [MHz]	Modulation	RB num	RB start	Low Channel	Middle Channel	High Channel
Channel				/	650000	/
Frequency (MHz)				/	3750	/
100	DFT-s-OFDM PI/2 BPSK	1	1	/	23.77	/
100		1	136	/	23.48	/
100		1	271	/	23.44	/
100		135	1	/	23.85	/
100		135	67	/	23.55	/
100		135	136	/	23.34	/



100		270	0	/	23.60	/
100	DFT-s-OFDM QPSK	1	1	/	23.91	/
100		1	136	/	23.47	/
100		1	271	/	23.46	/
100		135	1	/	23.81	/
100		135	67	/	23.54	/
100		135	136	/	23.35	/
100		270	0	/	23.52	/
100	DFT-s-OFDM 16QAM	1	1	/	23.65	/
100	DFT-s-OFDM 64QAM	1	1	/	23.87	/
100	DFT-s-OFDM 256QAM	1	1	/	22.01	/
100	CP-OFDM QPSK	1	1	/	23.82	/
100	CP-OFDM 16QAM	1	1	/	23.81	/
100	CP-OFDM 64QAM	1	1	/	22.90	/
100	CP-OFDM 256QAM	1	1	/	20.07	/
Channel				649666	656000	662332
Frequency (MHz)				3744.99	3840	3934.98
90	DFT-s-OFDM QPSK	1	1	23.68	23.66	23.70
Channel				649334	656000	662666
Frequency (MHz)				3740.01	3840	3939.99
80	DFT-s-OFDM QPSK	1	1	23.67	23.68	23.80
Channel				649000	656000	663000
Frequency (MHz)				3735	3840	3945
70	DFT-s-OFDM QPSK	1	1	23.61	23.68	23.78
Channel				648668	656000	663332
Frequency (MHz)				3730.02	3840	3949.98
60	DFT-s-OFDM QPSK	1	1	23.54	23.68	23.62
Channel				648334	656000	663666
Frequency (MHz)				3725.01	3840	3954.99
50	DFT-s-OFDM QPSK	1	1	23.66	23.82	23.51
Channel				648000	656000	664000
Frequency (MHz)				3720	3840	3960
40	DFT-s-OFDM QPSK	1	1	23.52	23.69	23.38
Channel				647668	656000	664332
Frequency (MHz)				3715.02	3840	3964.98
30	DFT-s-OFDM QPSK	1	1	23.61	23.70	23.40
Channel				647500	656000	664500
Frequency (MHz)				3712.5	3840	3967.5
25	DFT-s-OFDM QPSK	1	1	23.54	23.62	23.24
Channel				647334	656000	664666
Frequency (MHz)				3710.01	3840	3969.99
20	DFT-s-OFDM QPSK	1	1	23.47	23.56	23.16
Channel				647168	656000	664832



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Frequency (MHz)				3707.52	3840	3972.48
15	DFT-s-OFDM QPSK	1	1	23.41	23.46	23.14
Channel				647000	656000	665000
Frequency (MHz)				3705	3840	3975
10	DFT-s-OFDM QPSK	1	1	23.61	23.63	23.30

B66 n2						
BW [MHz]	Modulation	RB num	RB start	Low Channel	Middle Channel	High Channel
Channel				373000	376000	379000
Frequency (MHz)				1865	1880	1895
30	DFT-s-OFDM PI/2 BPSK	1	1	24.03	24.10	23.92
30		1	80	23.98	23.84	23.81
30		1	158	23.87	23.68	23.88
30		80	1	23.54	23.50	23.39
30		80	40	24.08	23.94	23.85
30		80	80	23.53	23.38	23.27
30		160	0	23.50	23.43	23.36
30	DFT-s-OFDM QPSK	1	1	24.02	24.11	24.02
30		1	80	23.98	23.94	23.85
30		1	158	23.87	23.78	23.91
30		80	1	23.04	23.02	22.90
30		80	40	24.00	23.98	23.84
30		80	80	23.04	22.93	22.83
30		160	0	23.03	22.98	22.91
30	DFT-s-OFDM 16QAM	1	1	23.30	23.36	23.30
30	DFT-s-OFDM 64QAM	1	1	21.75	21.83	21.80
30	DFT-s-OFDM 256QAM	1	1	19.49	19.57	19.53
30	CP-OFDM QPSK	1	1	22.66	22.82	22.61
30	CP-OFDM 16QAM	1	1	22.16	22.23	22.11
30	CP-OFDM 64QAM	1	1	20.67	20.75	20.63
30	CP-OFDM 256QAM	1	1	17.55	17.58	17.53
Channel				372500	376000	379500
Frequency (MHz)				1862.5	1880	1897.5
25	DFT-s-OFDM QPSK	1	1	24.07	24.07	23.81
Channel				372000	376000	380000
Frequency (MHz)				1860	1880	1900
20	DFT-s-OFDM QPSK	1	1	23.97	23.84	23.37
Channel				371500	376000	380500
Frequency (MHz)				1857.5	1880	1902.5
15	DFT-s-OFDM QPSK	1	1	24.01	23.82	23.51
Channel				371000	376000	381000
Frequency (MHz)				1855	1880	1905



10	DFT-s-OFDM QPSK	1	1	23.90	23.77	23.67
Channel				370500	376000	381500
Frequency (MHz)				1852.5	1880	1907.5
5	DFT-s-OFDM QPSK	1	1	24.08	23.89	23.65

B48 n5						
BW [MHz]	Modulation	RB num	RB start	Low Channel	Middle Channel	High Channel
Channel				166800	167300	167800
Frequency (MHz)				834	836.5	839
20	DFT-s-OFDM PI/2 BPSK	1	1	23.28	23.37	23.40
20		1	53	23.25	23.29	23.38
20		1	104	23.20	23.34	23.32
20		50	1	22.78	22.91	22.98
20		50	25	23.20	23.35	23.41
20		50	50	22.78	22.80	23.00
20		100	0	22.87	23.00	23.07
20		1	1	23.25	23.40	23.45
20	DFT-s-OFDM QPSK	1	53	23.27	23.34	23.39
20		1	104	23.26	23.38	23.38
20		50	1	22.29	22.45	22.47
20		50	25	23.26	23.37	23.43
20		50	50	22.20	22.34	22.46
20		100	0	22.47	22.54	22.60
20	DFT-s-OFDM 16QAM	1	1	22.64	22.68	22.73
20	DFT-s-OFDM 64QAM	1	1	21.10	21.19	21.22
20	DFT-s-OFDM 256QAM	1	1	18.80	18.88	18.90
20	CP-OFDM QPSK	1	1	22.12	22.12	22.16
20	CP-OFDM 16QAM	1	1	21.36	21.43	21.42
20	CP-OFDM 64QAM	1	1	19.95	20.03	20.06
20	CP-OFDM 256QAM	1	1	16.88	16.93	16.94
Channel				166300	167300	168300
Frequency (MHz)				831.5	836.5	841.5
15	DFT-s-OFDM QPSK	1	1	23.31	23.23	23.22
Channel				165800	167300	168800
Frequency (MHz)				829	836.5	844
10	DFT-s-OFDM QPSK	1	1	23.29	23.26	23.19
Channel				165300	167300	169300
Frequency (MHz)				826.5	836.5	846.5
5	DFT-s-OFDM QPSK	1	1	23.11	23.20	23.18



B13_n66						
BW [MHz]	Modulation	RB num	RB start	Low Channel	Middle Channel	High Channel
Channel				346000	349000	352000
Frequency (MHz)				1730	1745	1760
40	DFT-s-OFDM PI/2 BPSK	1	1	23.48	23.46	23.52
40		1	108	23.40	23.32	23.38
40		1	214	23.39	23.49	23.55
40		108	1	23.01	22.95	23.00
40		108	54	23.47	23.50	23.42
40		108	108	22.92	22.87	22.99
40		216	0	23.04	23.06	23.13
40	DFT-s-OFDM QPSK	1	1	23.43	23.60	23.59
40		1	108	23.40	23.36	23.43
40		1	214	23.49	23.52	23.50
40		108	1	22.49	22.48	22.51
40		108	54	23.51	23.51	23.54
40		108	108	22.43	22.44	22.55
40		216	0	22.55	22.60	22.63
40	DFT-s-OFDM 16QAM	1	1	22.65	22.87	22.86
40	DFT-s-OFDM 64QAM	1	1	21.15	21.30	21.33
40	DFT-s-OFDM 256QAM	1	1	18.86	18.97	19.04
40	CP-OFDM QPSK	1	1	22.13	22.21	22.31
40	CP-OFDM 16QAM	1	1	21.46	21.62	21.63
40	CP-OFDM 64QAM	1	1	20.04	20.15	20.17
40	CP-OFDM 256QAM	1	1	16.86	17.02	17.08
Channel				345000	349000	353000
Frequency (MHz)				1725	1745	1765
30	DFT-s-OFDM QPSK	1	1	23.50	23.43	23.44
Channel				344500	349000	353500
Frequency (MHz)				1722.5	1745	1767.5
25	DFT-s-OFDM QPSK	1	1	23.84	23.67	23.54
Channel				344000	349000	354000
Frequency (MHz)				1720	1745	1770
20	DFT-s-OFDM QPSK	1	1	23.61	23.65	23.58
Channel				343500	349000	354500
Frequency (MHz)				1717.5	1745	1772.5
15	DFT-s-OFDM QPSK	1	1	23.40	23.31	23.90
Channel				343000	349000	355000
Frequency (MHz)				1715	1745	1775
10	DFT-s-OFDM QPSK	1	1	23.20	23.24	23.23
Channel				342500	349000	355500



Frequency (MHz)				1712.5	1745	1777.5
5	DFT-s-OFDM QPSK	1	1	23.20	23.27	23.18

n77(3450-3550MHz) (PC2)						
BW [MHz]	Modulation	RB num	RB start	Low Channel	Middle Channel	High Channel
Channel				/	633334	/
Frequency (MHz)				/	3500.01	/
100	DFT-s-OFDM PI/2 BPSK	1	1	/	26.77	/
100		1	136	/	26.73	/
100		1	271	/	26.82	/
100		135	1	/	26.46	/
100		135	67	/	26.85	/
100		135	136	/	26.02	/
100		270	0	/	26.46	/
100	DFT-s-OFDM QPSK	1	1	/	27.31	/
100		1	136	/	26.74	/
100		1	271	/	26.87	/
100		135	1	/	26.75	/
100		135	67	/	26.58	/
100		135	136	/	26.66	/
100		270	0	/	26.42	/
100	DFT-s-OFDM 16QAM	1	1	/	26.14	/
100	DFT-s-OFDM 64QAM	1	1	/	24.74	/
100	DFT-s-OFDM 256QAM	1	1	/	22.57	/
100	CP-OFDM QPSK	1	1	/	25.86	/
100	CP-OFDM 16QAM	1	1	/	25.30	/
100	CP-OFDM 64QAM	1	1	/	23.34	/
100	CP-OFDM 256QAM	1	1	/	20.59	/
Channel				633000	633334	633666
Frequency (MHz)				3495	3500.01	3504.99
90	DFT-s-OFDM QPSK	1	1	27.15	27.08	27.01
Channel				632668	633334	634000
Frequency (MHz)				3490.02	3500.01	3510
80	DFT-s-OFDM QPSK	1	1	27.14	27.04	26.97
Channel				632334	633334	634332
Frequency (MHz)				3485.01	3500.01	3514.98
70	DFT-s-OFDM QPSK	1	1	27.12	27.02	26.43
Channel				632000	633334	634666
Frequency (MHz)				3480	3500.01	3519.99
60	DFT-s-OFDM QPSK	1	1	27.07	26.94	26.82
Channel				631668	633334	635000
Frequency (MHz)				3475.02	3500.01	3525



50	DFT-s-OFDM QPSK	1	1	27.16	26.97	26.92
Channel				631334	633334	635332
Frequency (MHz)				3470.01	3500.01	3529.98
40	DFT-s-OFDM QPSK	1	1	26.60	26.87	26.60
Channel				631000	633334	635666
Frequency (MHz)				3465	3500.01	3534.99
30	DFT-s-OFDM QPSK	1	1	26.69	26.98	26.58
Channel				630834	633334	635832
Frequency (MHz)				3462.51	3500.01	3537.48
25	DFT-s-OFDM QPSK	1	1	27.09	26.89	26.50
Channel				630668	633334	636000
Frequency (MHz)				3460.02	3500.01	3540
20	DFT-s-OFDM QPSK	1	1	26.66	26.45	25.96
Channel				630500	633334	636166
Frequency (MHz)				3457.5	3500.01	3542.49
15	DFT-s-OFDM QPSK	1	1	26.50	26.31	25.84
Channel				630334	633334	636332
Frequency (MHz)				3455.01	3500.01	3544.98
10	DFT-s-OFDM QPSK	1	1	26.62	26.41	26.00

n77(3700-3980MHz) (PC2)						
BW [MHz]	Modulation	RB num	RB start	Low Channel	Middle Channel	High Channel
Channel				650000	656000	662000
Frequency (MHz)				3750	3840	3930
100	DFT-s-OFDM PI/2 BPSK	1	1	26.63	26.44	26.69
100		1	136	26.22	26.30	26.30
100		1	271	26.13	26.62	26.57
100		135	1	26.16	25.68	26.02
100		135	67	26.39	26.41	26.47
100		135	136	25.58	25.66	26.17
100		270	0	25.85	25.96	26.09
100	DFT-s-OFDM QPSK	1	1	26.82	26.94	26.90
100		1	136	26.23	26.26	26.25
100		1	271	26.15	26.53	26.46
100		135	1	26.37	26.49	26.44
100		135	67	26.01	26.10	26.11
100		135	136	25.00	25.15	25.69
100		270	0	25.36	25.46	25.59
100	DFT-s-OFDM 16QAM	1	1	25.51	25.41	25.59
100	DFT-s-OFDM 64QAM	1	1	24.14	24.00	24.28
100	DFT-s-OFDM 256QAM	1	1	21.94	21.78	21.99
100	CP-OFDM QPSK	1	1	25.20	25.05	25.30



100	CP-OFDM 16QAM	1	1	24.58	24.53	24.74
100	CP-OFDM 64QAM	1	1	22.76	22.55	22.88
100	CP-OFDM 256QAM	1	1	19.93	19.76	20.12
Channel				649666	656000	662332
Frequency (MHz)				3744.99	3840	3934.98
90	DFT-s-OFDM QPSK	1	1	26.52	26.20	26.54
Channel				649334	656000	662666
Frequency (MHz)				3740.01	3840	3939.99
80	DFT-s-OFDM QPSK	1	1	26.40	26.20	26.44
Channel				649000	656000	663000
Frequency (MHz)				3735	3840	3945
70	DFT-s-OFDM QPSK	1	1	26.46	26.15	26.30
Channel				648668	656000	663332
Frequency (MHz)				3730.02	3840	3949.98
60	DFT-s-OFDM QPSK	1	1	26.36	26.06	26.25
Channel				648334	656000	663666
Frequency (MHz)				3725.01	3840	3954.99
50	DFT-s-OFDM QPSK	1	1	26.45	26.19	26.15
Channel				648000	656000	664000
Frequency (MHz)				3720	3840	3960
40	DFT-s-OFDM QPSK	1	1	26.38	26.03	26.21
Channel				647668	656000	664332
Frequency (MHz)				3715.02	3840	3964.98
30	DFT-s-OFDM QPSK	1	1	26.45	26.17	26.62
Channel				647500	656000	664500
Frequency (MHz)				3712.5	3840	3967.5
25	DFT-s-OFDM QPSK	1	1	26.42	26.17	26.66
Channel				647334	656000	664666
Frequency (MHz)				3710.01	3840	3969.99
20	DFT-s-OFDM QPSK	1	1	26.34	26.14	26.69
Channel				647168	656000	664832
Frequency (MHz)				3707.52	3840	3972.48
15	DFT-s-OFDM QPSK	1	1	26.30	26.15	26.76
Channel				647000	656000	665000
Frequency (MHz)				3705	3840	3975
10	DFT-s-OFDM QPSK	1	1	26.46	26.28	26.97



B66_n2 (PC3)						
BW [MHz]	Modulation	RB num	RB start	Low Channel	Middle Channel	High Channel
Channel				373000	376000	379000
Frequency (MHz)				1865	1880	1895
30	DFT-s-OFDM PI/2 BPSK	1	1	24.03	24.10	23.92
30		1	80	23.98	23.84	23.81
30		1	158	23.87	23.68	23.88
30		80	1	23.54	23.50	23.39
30		80	40	24.08	23.94	23.85
30		80	80	23.53	23.38	23.27
30		160	0	23.50	23.43	23.36
30	DFT-s-OFDM QPSK	1	1	24.02	24.11	24.02
30		1	80	23.98	23.94	23.85
30		1	158	23.87	23.78	23.91
30		80	1	23.04	23.02	22.90
30		80	40	24.00	23.98	23.84
30		80	80	23.04	22.93	22.83
30		160	0	23.03	22.98	22.91
30	DFT-s-OFDM 16QAM	1	1	23.30	23.36	23.30
30	DFT-s-OFDM 64QAM	1	1	21.75	21.83	21.80
30	DFT-s-OFDM 256QAM	1	1	19.49	19.57	19.53
30	CP-OFDM QPSK	1	1	22.66	22.82	22.61
30	CP-OFDM 16QAM	1	1	22.16	22.23	22.11
30	CP-OFDM 64QAM	1	1	20.67	20.75	20.63
30	CP-OFDM 256QAM	1	1	17.55	17.58	17.53
Channel				372500	376000	379500
Frequency (MHz)				1862.5	1880	1897.5
25	DFT-s-OFDM QPSK	1	1	24.07	24.07	23.81
Channel				372000	376000	380000
Frequency (MHz)				1860	1880	1900
20	DFT-s-OFDM QPSK	1	1	23.97	23.84	23.37
Channel				371500	376000	380500
Frequency (MHz)				1857.5	1880	1902.5
15	DFT-s-OFDM QPSK	1	1	24.01	23.82	23.51
Channel				371000	376000	381000
Frequency (MHz)				1855	1880	1905
10	DFT-s-OFDM QPSK	1	1	23.90	23.77	23.67
Channel				370500	376000	381500
Frequency (MHz)				1852.5	1880	1907.5
5	DFT-s-OFDM QPSK	1	1	24.08	23.89	23.65

B48_n5 (PC3)						
BW [MHz]	Modulation	RB num	RB start	Low Channel	Middle Channel	High Channel
Channel				166800	167300	167800
Frequency (MHz)				834	836.5	839
20	DFT-s-OFDM PI/2 BPSK	1	1	23.28	23.37	23.40
20		1	53	23.25	23.29	23.38
20		1	104	23.20	23.34	23.32
20		50	1	22.78	22.91	22.98
20		50	25	23.20	23.35	23.41
20		50	50	22.78	22.80	23.00
20		100	0	22.87	23.00	23.07
20	DFT-s-OFDM QPSK	1	1	23.25	23.40	23.45
20		1	53	23.27	23.34	23.39
20		1	104	23.26	23.38	23.38
20		50	1	22.29	22.45	22.47
20		50	25	23.26	23.37	23.43
20		50	50	22.20	22.34	22.46
20		100	0	22.47	22.54	22.60
20	DFT-s-OFDM 16QAM	1	1	22.64	22.68	22.73
20	DFT-s-OFDM 64QAM	1	1	21.10	21.19	21.22
20	DFT-s-OFDM 256QAM	1	1	18.80	18.88	18.90
20	CP-OFDM QPSK	1	1	22.12	22.12	22.16
20	CP-OFDM 16QAM	1	1	21.36	21.43	21.42
20	CP-OFDM 64QAM	1	1	19.95	20.03	20.06
20	CP-OFDM 256QAM	1	1	16.88	16.93	16.94
Channel				166300	167300	168300
Frequency (MHz)				831.5	836.5	841.5
15	DFT-s-OFDM QPSK	1	1	23.31	23.23	23.22
Channel				165800	167300	168800
Frequency (MHz)				829	836.5	844
10	DFT-s-OFDM QPSK	1	1	23.29	23.26	23.19
Channel				165300	167300	169300
Frequency (MHz)				826.5	836.5	846.5
5	DFT-s-OFDM QPSK	1	1	23.11	23.20	23.18

B13_n66 (PC3)						
BW [MHz]	Modulation	RB num	RB start	Low Channel	Middle Channel	High Channel
Channel				346000	349000	352000
Frequency (MHz)				1730	1745	1760
40	DFT-s-OFDM PI/2	1	1	23.48	23.46	23.52
40	BPSK	1	108	23.40	23.32	23.38



40		1	214	23.39	23.49	23.55
40		108	1	23.01	22.95	23.00
40		108	54	23.47	23.50	23.42
40		108	108	22.92	22.87	22.99
40		216	0	23.04	23.06	23.13
40	DFT-s-OFDM QPSK	1	1	23.43	23.60	23.59
40		1	108	23.40	23.36	23.43
40		1	214	23.49	23.52	23.50
40		108	1	22.49	22.48	22.51
40		108	54	23.51	23.51	23.54
40		108	108	22.43	22.44	22.55
40		216	0	22.55	22.60	22.63
40	DFT-s-OFDM 16QAM	1	1	22.65	22.87	22.86
40	DFT-s-OFDM 64QAM	1	1	21.15	21.30	21.33
40	DFT-s-OFDM 256QAM	1	1	18.86	18.97	19.04
40	CP-OFDM QPSK	1	1	22.13	22.21	22.31
40	CP-OFDM 16QAM	1	1	21.46	21.62	21.63
40	CP-OFDM 64QAM	1	1	20.04	20.15	20.17
40	CP-OFDM 256QAM	1	1	16.86	17.02	17.08
Channel				345000	349000	353000
Frequency (MHz)				1725	1745	1765
30	DFT-s-OFDM QPSK	1	1	23.50	23.43	23.44
Channel				344500	349000	353500
Frequency (MHz)				1722.5	1745	1767.5
25	DFT-s-OFDM QPSK	1	1	23.84	23.67	23.54
Channel				344000	349000	354000
Frequency (MHz)				1720	1745	1770
20	DFT-s-OFDM QPSK	1	1	23.61	23.65	23.58
Channel				343500	349000	354500
Frequency (MHz)				1717.5	1745	1772.5
15	DFT-s-OFDM QPSK	1	1	23.40	23.31	23.90
Channel				343000	349000	355000
Frequency (MHz)				1715	1745	1775
10	DFT-s-OFDM QPSK	1	1	23.20	23.24	23.23
Channel				342500	349000	355500
Frequency (MHz)				1712.5	1745	1777.5
5	DFT-s-OFDM QPSK	1	1	23.20	23.27	23.18

B13_n77(3450-3550MHz) (PC2)						
BW [MHz]	Modulation	RB num	RB start	Low Channel	Middle Channel	High Channel
Channel				/	633334	/
Frequency (MHz)				/	3500.01	/



100	DFT-s-OFDM PI/2 BPSK	1	1	/	27.50	/
100		1	136	/	26.92	/
100		1	271	/	27.06	/
100		135	1	/	26.80	/
100		135	67	/	27.10	/
100		135	136	/	26.33	/
100		270	0	/	26.75	/
100		1	1	/	27.52	/
100	DFT-s-OFDM QPSK	1	136	/	26.99	/
100		1	271	/	26.96	/
100		135	1	/	26.34	/
100		135	67	/	27.07	/
100		135	136	/	25.83	/
100		270	0	/	26.26	/
100	DFT-s-OFDM 16QAM	1	1	/	26.54	/
100	DFT-s-OFDM 64QAM	1	1	/	25.21	/
100	DFT-s-OFDM 256QAM	1	1	/	22.99	/
100	CP-OFDM QPSK	1	1	/	26.13	/
100	CP-OFDM 16QAM	1	1	/	25.59	/
100	CP-OFDM 64QAM	1	1	/	24.18	/
100	CP-OFDM 256QAM	1	1	/	21.03	/
Channel				633000	633334	633666
Frequency (MHz)				3495	3500.01	3504.99
90	DFT-s-OFDM QPSK	1	1	27.38	27.33	27.31
Channel				632668	633334	634000
Frequency (MHz)				3490.02	3500.01	3510
80	DFT-s-OFDM QPSK	1	1	27.37	27.36	27.18
Channel				632334	633334	634332
Frequency (MHz)				3485.01	3500.01	3514.98
70	DFT-s-OFDM QPSK	1	1	27.35	27.29	27.10
Channel				632000	633334	634666
Frequency (MHz)				3480	3500.01	3519.99
60	DFT-s-OFDM QPSK	1	1	27.39	27.25	27.08
Channel				631668	633334	635000
Frequency (MHz)				3475.02	3500.01	3525
50	DFT-s-OFDM QPSK	1	1	27.48	27.29	27.19
Channel				631334	633334	635332
Frequency (MHz)				3470.01	3500.01	3529.98
40	DFT-s-OFDM QPSK	1	1	27.37	27.09	26.94
Channel				631000	633334	635666
Frequency (MHz)				3465	3500.01	3534.99
30	DFT-s-OFDM QPSK	1	1	27.50	27.18	26.85
Channel				630833	633334	635832



Frequency (MHz)				3462.49	3500.01	3537.48
25	DFT-s-OFDM QPSK	1	1	27.40	27.21	26.72
Channel				630668	633334	636000
Frequency (MHz)				3460.02	3500.01	3540
20	DFT-s-OFDM QPSK	1	1	27.33	27.15	26.63
Channel				630500	633334	636166
Frequency (MHz)				3457.5	3500.01	3542.49
15	DFT-s-OFDM QPSK	1	1	27.23	26.99	26.51
Channel				630334	633334	636332
Frequency (MHz)				3455.01	3500.01	3544.98
10	DFT-s-OFDM QPSK	1	1	27.36	27.12	26.76

B2_n77(3700-3980MHz) (PC2)						
BW [MHz]	Modulation	RB num	RB start	Low Channel	Middle Channel	High Channel
Channel				650000	656000	662000
Frequency (MHz)				3750	3840	3930
100	DFT-s-OFDM PI/2 BPSK	1	1	26.25	26.29	26.30
100		1	136	26.09	26.19	25.96
100		1	271	25.99	26.23	26.30
100		135	1	25.96	25.69	25.80
100		135	67	26.08	26.29	26.09
100		135	136	25.44	25.59	25.85
100		270	0	25.69	25.94	25.81
100	DFT-s-OFDM QPSK	1	1	26.26	26.32	26.35
100		1	136	26.00	26.15	25.94
100		1	271	26.01	26.21	26.31
100		135	1	25.49	25.18	25.31
100		135	67	26.05	26.21	26.05
100		135	136	24.93	25.10	25.35
100		270	0	25.21	25.44	25.32
100	DFT-s-OFDM 16QAM	1	1	25.41	25.48	25.56
100	DFT-s-OFDM 64QAM	1	1	24.09	24.11	24.19
100	DFT-s-OFDM 256QAM	1	1	21.81	21.90	21.86
100	CP-OFDM QPSK	1	1	24.98	25.03	25.12
100	CP-OFDM 16QAM	1	1	24.46	24.56	24.60
100	CP-OFDM 64QAM	1	1	22.99	23.01	23.06
100	CP-OFDM 256QAM	1	1	19.85	19.90	19.91
Channel				649666	656000	662332
Frequency (MHz)				3744.99	3840	3934.98
90	DFT-s-OFDM QPSK	1	1	26.20	26.16	26.22
Channel				649334	656000	662666
Frequency (MHz)				3740.01	3840	3939.99



80	DFT-s-OFDM QPSK	1	1	26.18	26.08	26.12
Channel				649000	656000	663000
Frequency (MHz)				3735	3840	3945
70	DFT-s-OFDM QPSK	1	1	26.17	26.00	25.99
Channel				648668	656000	663332
Frequency (MHz)				3730.02	3840	3949.98
60	DFT-s-OFDM QPSK	1	1	26.08	26.04	25.86
Channel				648334	656000	663666
Frequency (MHz)				3725.01	3840	3954.99
50	DFT-s-OFDM QPSK	1	1	26.19	26.05	25.85
Channel				648000	656000	664000
Frequency (MHz)				3720	3840	3960
40	DFT-s-OFDM QPSK	1	1	26.27	25.86	25.75
Channel				647668	656000	664332
Frequency (MHz)				3715.02	3840	3964.98
30	DFT-s-OFDM QPSK	1	1	26.36	26.12	26.10
Channel				647500	656000	664500
Frequency (MHz)				3712.5	3840	3967.5
25	DFT-s-OFDM QPSK	1	1	26.31	26.09	26.18
Channel				647334	656000	664666
Frequency (MHz)				3710.01	3840	3969.99
20	DFT-s-OFDM QPSK	1	1	26.01	26.05	26.13
Channel				647168	656000	664832
Frequency (MHz)				3707.52	3840	3972.48
15	DFT-s-OFDM QPSK	1	1	25.98	26.04	26.07
Channel				647000	656000	665000
Frequency (MHz)				3705	3840	3975
10	DFT-s-OFDM QPSK	1	1	26.14	26.16	26.34

B7_n78(3450-3550MHz) (PC2)						
BW [MHz]	Modulation	RB num	RB start	Low Channel	Middle Channel	High Channel
Channel				/	633334	/
Frequency (MHz)				/	3500.01	/
100	DFT-s-OFDM PI/2 BPSK	1	1	/	27.10	/
100		1	136	/	26.65	/
100		1	271	/	26.66	/
100		135	1	/	26.43	/
100		135	67	/	26.75	/
100		135	136	/	25.95	/
100		270	0	/	26.40	/
100		1	1	/	27.17	/
100	DFT-s-OFDM QPSK	1	136	/	26.61	/
100		1	271	/	26.62	/
100		135	1	/	25.92	/



100		135	67	/	26.72	/
100		135	136	/	25.51	/
100		270	0	/	25.96	/
100	DFT-s-OFDM 16QAM	1	1	/	26.30	/
100	DFT-s-OFDM 64QAM	1	1	/	24.94	/
100	DFT-s-OFDM 256QAM	1	1	/	22.62	/
100	CP-OFDM QPSK	1	1	/	25.80	/
100	CP-OFDM 16QAM	1	1	/	25.24	/
100	CP-OFDM 64QAM	1	1	/	23.84	/
100	CP-OFDM 256QAM	1	1	/	20.67	/
Channel				633000	633334	633666
Frequency (MHz)				3495	3500.01	3504.99
90	DFT-s-OFDM QPSK	1	1	27.04	26.99	27.05
Channel				632668	633334	634000
Frequency (MHz)				3490.02	3500.01	3510
80	DFT-s-OFDM QPSK	1	1	27.11	26.62	26.87
Channel				632334	633334	634332
Frequency (MHz)				3485.01	3500.01	3514.98
70	DFT-s-OFDM QPSK	1	1	26.99	26.96	26.85
Channel				632000	633334	634666
Frequency (MHz)				3480	3500.01	3519.99
60	DFT-s-OFDM QPSK	1	1	26.93	26.81	26.71
Channel				631668	633334	635000
Frequency (MHz)				3475.02	3500.01	3525
50	DFT-s-OFDM QPSK	1	1	27.00	26.82	26.72
Channel				631334	633334	635332
Frequency (MHz)				3470.01	3500.01	3529.98
40	DFT-s-OFDM QPSK	1	1	26.94	26.79	26.50
Channel				631000	633334	635666
Frequency (MHz)				3465	3500.01	3534.99
30	DFT-s-OFDM QPSK	1	1	27.15	26.87	26.43
Channel				630833	633334	635832
Frequency (MHz)				3462.49	3500.01	3537.48
25	DFT-s-OFDM QPSK	1	1	27.09	26.79	26.38
Channel				630668	633334	636000
Frequency (MHz)				3460.02	3500.01	3540
20	DFT-s-OFDM QPSK	1	1	27.19	26.82	26.29
Channel				630500	633334	636166
Frequency (MHz)				3457.5	3500.01	3542.49
15	DFT-s-OFDM QPSK	1	1	27.13	26.68	26.22
Channel				630334	633334	636332
Frequency (MHz)				3455.01	3500.01	3544.98
10	DFT-s-OFDM QPSK	1	1	27.03	26.75	26.33



Effective Radiated Power and Effective Isotropic Radiated Power

n2 (PC3)									
BW [M Hz]	Modulation	R B Size	RB Off set	Low Channel /dBm	Low Channel /Watt	Middle Channel /dBm	Middle Channel /Watt	High Channel /dBm	High Channel /Watt
Channel				373000	373000	376000	376000	379000	379000
Frequency (MHz)				1865	1865	1880.00	1880.00	1895	1895
30	DFT-s-OFDM PI/2 BPSK	1	1	25.08	0.322	25.10	0.324	25.02	0.318
30		1	53	25.04	0.319	25.00	0.316	24.92	0.310
30		1	104	24.97	0.314	24.98	0.315	25.02	0.318
30		50	1	24.65	0.292	24.59	0.288	24.53	0.284
30		50	25	25.05	0.320	25.04	0.319	24.96	0.313
30		50	50	24.60	0.288	24.47	0.280	24.47	0.280
30		100	0	24.61	0.289	24.60	0.288	24.50	0.282
30	DFT-s-OFDM QPSK	1	1	25.14	0.327	25.18	0.330	25.13	0.326
30		1	53	25.10	0.324	25.07	0.321	24.97	0.314
30		1	104	25.07	0.321	24.91	0.310	24.58	0.287
30		50	1	25.03	0.318	25.05	0.320	25.04	0.319
30		50	25	25.04	0.319	24.92	0.310	24.97	0.314
30		50	50	24.07	0.255	24.03	0.253	24.00	0.251
30		100	0	24.20	0.263	24.03	0.253	24.06	0.255
30	DFT-s-OFDM 16QAM	1	1	24.18	0.262	24.15	0.260	24.07	0.255
30	DFT-s-OFDM 64QAM	1	1	22.53	0.179	22.59	0.182	22.46	0.176
30	DFT-s-OFDM 256QAM	1	1	20.25	0.106	20.36	0.109	20.22	0.105
30	CP-OFDM QPSK	1	1	23.67	0.233	23.72	0.236	23.67	0.233
30	CP-OFDM 16QAM	1	1	23.15	0.207	23.21	0.209	23.07	0.203
30	CP-OFDM 64QAM	1	1	21.23	0.133	21.23	0.133	21.19	0.132
30	CP-OFDM 256QAM	1	1	18.34	0.068	18.36	0.069	18.24	0.067
Channel				372500	372500	376000	376000	379500	379500
Frequency (MHz)				1862.50	1862.50	1880.00	1880.00	1897.50	1897.50
25	DFT-s-OFDM QPSK	1	1	25.16	0.328	25.08	0.322	24.96	0.313
Channel				372000	372000	376000	376000	380000	380000
Frequency (MHz)				1860.00	1860.00	1880.00	1880.00	1900.00	1900.00
20	DFT-s-OFDM QPSK	1	1	24.88	0.308	24.89	0.308	24.76	0.299



Channel				371500	371500	376000	376000	380500	380500
Frequency (MHz)				1857.50	1857.50	1880.00	1880.00	1902.50	1902.50
15	DFT-s-OFDM QPSK	1	1	24.93	0.311	24.88	0.308	24.71	0.296
Channel				371000	371000	376000	376000	381000	381000
Frequency (MHz)				1855.00	1855.00	1880.00	1880.00	1905.00	1905.00
10	DFT-s-OFDM QPSK	1	1	24.86	0.306	24.84	0.305	24.73	0.297
Channel				370500	370500	376000	376000	381500	381500
Frequency (MHz)				1852.50	1852.50	1880.00	1880.00	1907.50	1907.50
5	DFT-s-OFDM QPSK	1	1	24.95	0.313	24.81	0.303	24.88	0.308

n5 (PC3)									
BW [M Hz]	Modulation	R B Si ze	RB Off set	Low Channel /dBm	Low Channel /Watt	Middle Channel /dBm	Middle Channel /Watt	High Channel /dBm	High Channel /Watt
Channel				166800	166800	167300	167300	167800	167800
Frequency (MHz)				834.00	834.00	836.50	836.50	839.00	839.00
20	DFT-s-OFDM PI/2 BPSK	1	1	22.14	0.164	22.15	0.164	22.18	0.165
20		1	53	22.09	0.162	22.12	0.163	22.18	0.165
20		1	104	22.16	0.164	22.13	0.163	22.10	0.162
20		50	1	21.67	0.147	21.65	0.146	21.78	0.151
20		50	25	22.14	0.164	22.24	0.167	22.21	0.166
20		50	50	21.67	0.147	21.68	0.147	21.69	0.148
20		100	0	21.82	0.152	21.79	0.151	21.89	0.155
20	DFT-s-OFDM QPSK	1	1	22.23	0.167	22.28	0.169	22.27	0.169
20		1	53	22.12	0.163	22.23	0.167	22.09	0.162
20		1	104	22.10	0.162	22.16	0.164	21.99	0.158
20		50	1	21.17	0.131	21.14	0.130	21.17	0.131
20		50	25	22.08	0.161	22.05	0.160	22.07	0.161
20		50	50	21.13	0.130	21.17	0.131	21.21	0.132
20		100	0	21.37	0.137	21.29	0.135	21.41	0.138
20	DFT-s-OFDM 16QAM	1	1	21.17	0.131	21.19	0.132	21.19	0.132
20	DFT-s-OFDM 64QAM	1	1	19.65	0.092	19.58	0.091	19.70	0.093
20	DFT-s-OFDM 256QAM	1	1	17.39	0.055	17.45	0.056	17.44	0.055
20	CP-OFDM QPSK	1	1	20.74	0.119	20.62	0.115	20.91	0.123
20	CP-OFDM	1	1	20.24	0.106	20.11	0.103	20.19	0.104



	16QAM								
20	CP-OFDM 64QAM	1	1	18.22	0.066	18.27	0.067	18.36	0.069
20	CP-OFDM 256QAM	1	1	15.34	0.034	15.36	0.034	15.42	0.035
Channel				166300	166300	167300	167300	168300	168300
Frequency (MHz)				831.50	831.50	836.50	836.50	841.50	841.50
15	DFT-s-OFDM QPSK	1	1	22.13	0.163	22.13	0.163	22.07	0.161
Channel				165800	165800	167300	167300	168800	168800
Frequency (MHz)				829.00	829.00	836.50	836.50	844.00	844.00
10	DFT-s-OFDM QPSK	1	1	22.17	0.165	22.07	0.161	22.10	0.162
Channel				165300	165300	167300	167300	169300	169300
Frequency (MHz)				826.50	826.50	836.50	836.50	846.50	846.50
5	DFT-s-OFDM QPSK	1	1	22.08	0.161	22.03	0.160	22.07	0.161

n48 (PC3)									
BW [M Hz]	Modulation	R B Si ze	RB Off set	Low Channel /dBm	Low Channel /Watt	Middle Channel /dBm	Middle Channel /Watt	High Channel /dBm	High Channel /Watt
Channel				638000	638000	641666	641666	645332	645332
Frequency (MHz)				3570.00	3570.00	3624.99	3624.99	3679.98	3679.98
40	DFT-s-OFDM PI/2 BPSK	1	1	22.04	0.160	22.13	0.163	21.97	0.157
40		1	53	22.04	0.160	22.05	0.160	21.79	0.151
40		1	104	22.11	0.163	22.12	0.163	21.91	0.155
40		50	1	21.57	0.144	21.60	0.145	21.48	0.141
40		50	25	22.11	0.163	22.23	0.167	22.09	0.162
40		50	50	21.56	0.143	21.69	0.148	21.36	0.137
40		10 0	0	21.64	0.146	21.54	0.143	21.47	0.140
40	DFT-s-OFDM QPSK	1	1	22.22	0.167	22.38	0.173	22.28	0.169
40		1	53	21.90	0.155	21.99	0.158	21.74	0.149
40		1	104	22.10	0.162	22.10	0.162	21.87	0.154
40		50	1	22.06	0.161	22.16	0.164	20.98	0.125
40		50	25	22.07	0.161	21.99	0.158	21.88	0.154
40		50	50	21.06	0.128	21.19	0.132	20.85	0.122
40		10 0	0	21.06	0.128	21.02	0.126	20.97	0.125
40	DFT-s-OFDM 16QAM	1	1	20.94	0.124	21.15	0.130	20.92	0.124
40	DFT-s-OFDM 64QAM	1	1	19.64	0.092	19.84	0.096	19.57	0.091
40	DFT-s-OFDM	1	1	17.34	0.054	17.55	0.057	17.24	0.053



	256QAM								
40	CP-OFDM QPSK	1	1	20.58	0.114	20.77	0.119	20.52	0.113
40	CP-OFDM 16QAM	1	1	20.08	0.102	20.26	0.106	19.99	0.100
40	CP-OFDM 64QAM	1	1	18.15	0.065	18.27	0.067	17.99	0.063
40	CP-OFDM 256QAM	1	1	15.36	0.034	15.51	0.036	15.26	0.034
Channel				637668	637668	641666	641666	645666	645666
Frequency (MHz)				3565.02	3565.02	3624.99	3624.99	3684.99	3684.99
30	DFT-s-OFDM QPSK	1	1	22.10	0.162	22.29	0.169	22.00	0.158
Channel				637334	637334	641666	641666	646000	646000
Frequency (MHz)				3560.01	3560.01	3624.99	3624.99	3690.00	3690.00
20	DFT-s-OFDM QPSK	1	1	22.00	0.158	22.09	0.162	21.90	0.155
Channel				637168	637168	641666	641666	646166	646166
Frequency (MHz)				3557.52	3557.52	3624.99	3624.99	3692.49	3692.49
15	DFT-s-OFDM QPSK	1	1	21.96	0.157	22.02	0.159	21.88	0.154
Channel				637000	637000	641666	641666	646332	646332
Frequency (MHz)				3555.00	3555.00	3624.99	3624.99	3694.98	3694.98
10	DFT-s-OFDM QPSK	1	1	22.10	0.162	22.15	0.164	22.01	0.159

n66 (PC3)									
BW [MHz]	Modulation	RB Size	RB Off set	Low Channel /dBm	Low Channel /Watt	Middle Channel /dBm	Middle Channel /Watt	High Channel /dBm	High Channel /Watt
Channel				346000	346000	349000	349000	352000	352000
Frequency (MHz)				1730.00	1730.00	1745.00	1745.00	1760.00	1760.00
40	DFT-s-OFDM PI/2 BPSK	1	1	25.49	0.354	25.46	0.352	25.45	0.351
40		1	80	25.36	0.344	25.24	0.334	25.13	0.326
40		1	158	25.39	0.346	25.27	0.337	25.22	0.333
40		80	1	25.00	0.316	24.98	0.315	24.84	0.305
40		80	40	25.49	0.354	25.38	0.345	25.26	0.336
40		80	80	24.90	0.309	24.80	0.302	24.79	0.301
40		160	0	24.97	0.314	25.00	0.316	24.89	0.308
40	DFT-s-OFDM QPSK	1	1	25.51	0.356	25.60	0.363	25.47	0.352
40		1	80	25.37	0.344	25.29	0.338	25.19	0.330
40		1	158	25.40	0.347	25.42	0.348	25.28	0.337
40		80	1	25.44	0.350	25.46	0.352	25.37	0.344
40		80	40	25.24	0.334	25.32	0.340	25.26	0.336



40		80	80	24.38	0.274	24.37	0.274	24.30	0.269
40		160	0	24.42	0.277	24.58	0.287	24.41	0.276
40	DFT-s-OFDM 16QAM	1	1	24.52	0.283	24.56	0.286	24.37	0.274
40	DFT-s-OFDM 64QAM	1	1	22.92	0.196	22.97	0.198	22.83	0.192
40	DFT-s-OFDM 256QAM	1	1	20.70	0.117	20.72	0.118	20.60	0.115
40	CP-OFDM QPSK	1	1	24.14	0.259	24.09	0.256	24.07	0.255
40	CP-OFDM 16QAM	1	1	23.56	0.227	23.52	0.225	23.32	0.215
40	CP-OFDM 64QAM	1	1	21.60	0.145	21.67	0.147	21.59	0.144
40	CP-OFDM 256QAM	1	1	18.70	0.074	18.69	0.074	18.64	0.073
Channel				345000	345000	349000	349000	353000	353000
Frequency (MHz)				1725.00	1725.00	1745.00	1745.00	1765.00	1765.00
30	DFT-s-OFDM QPSK	1	1	25.45	0.351	25.43	0.349	25.35	0.343
Channel				344500	344500	349000	349000	353500	353500
Frequency (MHz)				1722.50	1722.50	1745.00	1745.00	1767.50	1767.50
25	DFT-s-OFDM QPSK	1	1	25.58	0.361	25.52	0.356	25.35	0.343
Channel				344000	344000	349000	349000	354000	354000
Frequency (MHz)				1720.00	1720.00	1745.00	1745.00	1770.00	1770.00
20	DFT-s-OFDM QPSK	1	1	25.34	0.342	25.29	0.338	25.11	0.324
Channel				343500	343500	349000	349000	354500	354500
Frequency (MHz)				1717.50	1717.50	1745.00	1745.00	1772.50	1772.50
15	DFT-s-OFDM QPSK	1	1	25.48	0.353	25.41	0.348	25.12	0.325
Channel				343000	343000	349000	349000	355000	355000
Frequency (MHz)				1715.00	1715.00	1745.00	1745.00	1775.00	1775.00
10	DFT-s-OFDM QPSK	1	1	25.30	0.339	25.35	0.343	25.17	0.329
Channel				342500	342500	349000	349000	355500	355500
Frequency (MHz)				1712.50	1712.50	1745.00	1745.00	1777.50	1777.50
5	DFT-s-OFDM QPSK	1	1	25.28	0.337	25.21	0.332	25.09	0.323



n77(3450-3550MHz) (PC2)									
BW [M Hz]	Modulation	R B Si ze	RB Off set	Low Channel /dBm	Low Channel /Watt	Middle Channel /dBm	Middle Channel /Watt	High Channel /dBm	High Channel /Watt
Channel				/	/	633334	633334	/	/
Frequency (MHz)				/	/	3500.01	3500.01	/	/
10 0	DFT-s-OFDM PI/2 BPSK	1	1	/	/	29.27	0.845	/	/
10 0		1	136	/	/	29.23	0.838	/	/
10 0		1	271	/	/	29.32	0.855	/	/
10 0		13 5	1	/	/	28.96	0.787	/	/
10 0		13 5	67	/	/	29.35	0.861	/	/
10 0		13 5	136	/	/	28.52	0.711	/	/
10 0		27 0	0	/	/	28.96	0.787	/	/
10 0	DFT-s-OFDM QPSK	1	1	/	/	29.81	0.957	/	/
10 0		1	136	/	/	29.24	0.839	/	/
10 0		1	271	/	/	29.37	0.865	/	/
10 0		13 5	1	/	/	29.25	0.841	/	/
10 0		13 5	67	/	/	29.08	0.809	/	/
10 0		13 5	136	/	/	29.16	0.824	/	/
10 0		27 0	0	/	/	28.92	0.780	/	/
10 0	DFT-s-OFDM 16QAM	1	1	/	/	28.64	0.731	/	/
10 0	DFT-s-OFDM 64QAM	1	1	/	/	27.24	0.530	/	/
10 0	DFT-s-OFDM 256QAM	1	1	/	/	25.07	0.321	/	/
10 0	CP-OFDM QPSK	1	1	/	/	28.36	0.685	/	/
10 0	CP-OFDM 16QAM	1	1	/	/	27.80	0.603	/	/
10 0	CP-OFDM 64QAM	1	1	/	/	25.84	0.384	/	/
10	CP-OFDM	1	1	/	/	23.09	0.204	/	/



0	256QAM								
Channel				633000	633000	633334	633334	633666	633666
Frequency (MHz)				3495.00	3495.00	3500.01	3500.01	3504.99	3504.99
90	DFT-s-OFDM QPSK	1	1	29.65	0.923	29.58	0.908	29.51	0.893
Channel				632668	632668	633334	633334	634000	634000
Frequency (MHz)				3490.02	3490.02	3500.01	3500.01	3510.00	3510.00
80	DFT-s-OFDM QPSK	1	1	29.64	0.920	29.54	0.899	29.47	0.885
Channel				632334	632334	633334	633334	634332	634332
Frequency (MHz)				3485.01	3485.01	3500.01	3500.01	3514.98	3514.98
70	DFT-s-OFDM QPSK	1	1	29.62	0.916	29.52	0.895	28.93	0.782
Channel				632000	632000	633334	633334	634666	634666
Frequency (MHz)				3480.00	3480.00	3500.01	3500.01	3519.99	3519.99
60	DFT-s-OFDM QPSK	1	1	29.57	0.906	29.44	0.879	29.32	0.855
Channel				631668	631668	633334	633334	635000	635000
Frequency (MHz)				3475.02	3475.02	3500.01	3500.01	3525.00	3525.00
50	DFT-s-OFDM QPSK	1	1	29.66	0.925	29.47	0.885	29.42	0.875
Channel				631334	631334	633334	633334	635332	635332
Frequency (MHz)				3470.01	3470.01	3500.01	3500.01	3529.98	3529.98
40	DFT-s-OFDM QPSK	1	1	29.10	0.813	29.37	0.865	29.10	0.813
Channel				631000	631000	633334	633334	635666	635666
Frequency (MHz)				3465.00	3465.00	3500.01	3500.01	3534.99	3534.99
30	DFT-s-OFDM QPSK	1	1	29.19	0.830	29.48	0.887	29.08	0.809
Channel				630834	630834	633334	633334	635832	635832
Frequency (MHz)				3462.51	3462.51	3500.01	3500.01	3537.48	3537.48
25	DFT-s-OFDM QPSK	1	1	29.59	0.910	29.39	0.869	29.00	0.794
Channel				630668	630668	633334	633334	636000	636000
Frequency (MHz)				3460.02	3460.02	3500.01	3500.01	3540.00	3540.00
20	DFT-s-OFDM QPSK	1	1	29.16	0.824	28.95	0.785	28.46	0.701
Channel				630500	630500	633334	633334	636166	636166
Frequency (MHz)				3457.50	3457.50	3500.01	3500.01	3542.49	3542.49
15	DFT-s-OFDM QPSK	1	1	29.00	0.794	28.81	0.760	28.34	0.682
Channel				630334	630334	633334	633334	636332	636332
Frequency (MHz)				3455.01	3455.01	3500.01	3500.01	3544.98	3544.98
10	DFT-s-OFDM QPSK	1	1	29.12	0.817	28.91	0.778	28.50	0.708



n77(3700-3980MHz) (PC2)									
BW [M Hz]	Modulation	R B Si ze	RB Off set	Low Channel /dBm	Low Channel /Watt	Middle Channel /dBm	Middle Channel /Watt	High Channel /dBm	High Channel /Watt
Channel				650000	650000	656000	656000	662000	662000
Frequency (MHz)				3750.00	3750.00	3840.00	3840.00	3930.00	3930.00
10 0	DFT-s-OFDM PI/2 BPSK	1	1	29.13	0.818	28.94	0.783	29.19	0.830
10 0		1	136	28.72	0.745	28.80	0.759	28.80	0.759
10 0		1	271	28.63	0.729	29.12	0.817	29.07	0.807
10 0		13 5	1	28.66	0.735	28.18	0.658	28.52	0.711
10 0		13 5	67	28.89	0.774	28.91	0.778	28.97	0.789
10 0		13 5	136	28.08	0.643	28.16	0.655	28.67	0.736
10 0		27 0	0	28.35	0.684	28.46	0.701	28.59	0.723
10 0	DFT-s-OFDM QPSK	1	1	29.32	0.855	29.44	0.879	29.40	0.871
10 0		1	136	28.73	0.746	28.76	0.752	28.75	0.750
10 0		1	271	28.65	0.733	29.03	0.800	28.96	0.787
10 0		13 5	1	28.87	0.771	28.99	0.793	28.94	0.783
10 0		13 5	67	28.51	0.710	28.60	0.724	28.61	0.726
10 0		13 5	136	27.50	0.562	27.65	0.582	28.19	0.659
10 0		27 0	0	27.86	0.611	27.96	0.625	28.09	0.644
10 0	DFT-s-OFDM 16QAM	1	1	28.01	0.632	27.91	0.618	28.09	0.644
10 0	DFT-s-OFDM 64QAM	1	1	26.64	0.461	26.50	0.447	26.78	0.476
10 0	DFT-s-OFDM 256QAM	1	1	24.44	0.278	24.28	0.268	24.49	0.281
10 0	CP-OFDM QPSK	1	1	27.70	0.589	27.55	0.569	27.80	0.603
10 0	CP-OFDM 16QAM	1	1	27.08	0.511	27.03	0.505	27.24	0.530
10 0	CP-OFDM 64QAM	1	1	25.26	0.336	25.05	0.320	25.38	0.345
10	CP-OFDM	1	1	22.43	0.175	22.26	0.168	22.62	0.183



0	256QAM								
Channel				649666	649666	656000	656000	662332	662332
Frequency (MHz)				3744.99	3744.99	3840.00	3840.00	3934.98	3934.98
90	DFT-s-OFDM QPSK	1	1	29.02	0.798	28.70	0.741	29.04	0.802
Channel				649334	649334	656000	656000	662666	662666
Frequency (MHz)				3740.01	3740.01	3840.00	3840.00	3939.99	3939.99
80	DFT-s-OFDM QPSK	1	1	28.90	0.776	28.70	0.741	28.94	0.783
Channel				649000	649000	656000	656000	663000	663000
Frequency (MHz)				3735.00	3735.00	3840.00	3840.00	3945.00	3945.00
70	DFT-s-OFDM QPSK	1	1	28.96	0.787	28.65	0.733	28.80	0.759
Channel				648668	648668	656000	656000	663332	663332
Frequency (MHz)				3730.02	3730.02	3840.00	3840.00	3949.98	3949.98
60	DFT-s-OFDM QPSK	1	1	28.86	0.769	28.56	0.718	28.75	0.750
Channel				648334	648334	656000	656000	663666	663666
Frequency (MHz)				3725.01	3725.01	3840.00	3840.00	3954.99	3954.99
50	DFT-s-OFDM QPSK	1	1	28.95	0.785	28.69	0.740	28.65	0.733
Channel				648000	648000	656000	656000	664000	664000
Frequency (MHz)				3720.00	3720.00	3840.00	3840.00	3960.00	3960.00
40	DFT-s-OFDM QPSK	1	1	28.88	0.773	28.53	0.713	28.71	0.743
Channel				647668	647668	656000	656000	664332	664332
Frequency (MHz)				3715.02	3715.02	3840.00	3840.00	3964.98	3964.98
30	DFT-s-OFDM QPSK	1	1	28.95	0.785	28.67	0.736	29.12	0.817
Channel				647500	647500	656000	656000	664500	664500
Frequency (MHz)				3712.50	3712.50	3840.00	3840.00	3967.50	3967.50
25	DFT-s-OFDM QPSK	1	1	28.92	0.780	28.67	0.736	29.16	0.824
Channel				647334	647334	656000	656000	664666	664666
Frequency (MHz)				3710.01	3710.01	3840.00	3840.00	3969.99	3969.99
20	DFT-s-OFDM QPSK	1	1	28.84	0.766	28.64	0.731	29.19	0.830
Channel				647168	647168	656000	656000	664832	664832
Frequency (MHz)				3707.52	3707.52	3840.00	3840.00	3972.48	3972.48
15	DFT-s-OFDM QPSK	1	1	28.80	0.759	28.65	0.733	29.26	0.843
Channel				647000	647000	656000	656000	665000	665000
Frequency (MHz)				3705.00	3705.00	3840.00	3840.00	3975.00	3975.00
10	DFT-s-OFDM QPSK	1	1	28.96	0.787	28.78	0.755	29.47	0.885



n77(3450-3550MHz) (PC3)									
BW [M Hz]	Modulation	R B Si ze	RB Off set	Low Channel /dBm	Low Channel /Watt	Middle Channel /dBm	Middle Channel /Watt	High Channel /dBm	High Channel /Watt
Channel				/	/	633334	633334	/	/
Frequency (MHz)				/	/	3500.01	3500.01	/	/
10 0	DFT-s-OFDM PI/2 BPSK	1	1	/	/	26.95	0.495	/	/
10 0		1	136	/	/	26.43	0.440	/	/
10 0		1	271	/	/	26.18	0.415	/	/
10 0		13 5	1	/	/	26.71	0.469	/	/
10 0		13 5	67	/	/	26.51	0.448	/	/
10 0		13 5	136	/	/	26.07	0.405	/	/
10 0		27 0	0	/	/	26.59	0.456	/	/
10 0	DFT-s-OFDM QPSK	1	1	/	/	26.99	0.500	/	/
10 0		1	136	/	/	26.40	0.437	/	/
10 0		1	271	/	/	26.21	0.418	/	/
10 0		13 5	1	/	/	26.73	0.471	/	/
10 0		13 5	67	/	/	26.47	0.444	/	/
10 0		13 5	136	/	/	26.03	0.401	/	/
10 0		27 0	0	/	/	26.59	0.456	/	/
10 0	DFT-s-OFDM 16QAM	1	1	/	/	26.77	0.475	/	/
10 0	DFT-s-OFDM 64QAM	1	1	/	/	26.98	0.499	/	/
10 0	DFT-s-OFDM 256QAM	1	1	/	/	25.21	0.332	/	/
10 0	CP-OFDM QPSK	1	1	/	/	26.94	0.494	/	/
10 0	CP-OFDM 16QAM	1	1	/	/	26.85	0.484	/	/
10 0	CP-OFDM 64QAM	1	1	/	/	25.97	0.395	/	/
10	CP-OFDM	1	1	/	/	23.23	0.210	/	/



0	256QAM								
Channel				633000	633000	633334	633334	633666	633666
Frequency (MHz)				3495.00	3495.00	3500.01	3500.01	3504.99	3504.99
90	DFT-s-OFDM QPSK	1	1	26.83	0.482	26.79	0.478	26.74	0.472
Channel				632668	632668	633334	633334	634000	634000
Frequency (MHz)				3490.02	3490.02	3500.01	3500.01	3510.00	3510.00
80	DFT-s-OFDM QPSK	1	1	26.82	0.481	26.76	0.474	26.75	0.473
Channel				632334	632334	633334	633334	634332	634332
Frequency (MHz)				3485.01	3485.01	3500.01	3500.01	3514.98	3514.98
70	DFT-s-OFDM QPSK	1	1	26.76	0.474	26.77	0.475	26.57	0.454
Channel				632000	632000	633334	633334	634666	634666
Frequency (MHz)				3480.00	3480.00	3500.01	3500.01	3519.99	3519.99
60	DFT-s-OFDM QPSK	1	1	26.70	0.468	26.61	0.458	26.54	0.451
Channel				631668	631668	633334	633334	635000	635000
Frequency (MHz)				3475.02	3475.02	3500.01	3500.01	3525.00	3525.00
50	DFT-s-OFDM QPSK	1	1	26.92	0.492	26.79	0.478	26.63	0.460
Channel				631334	631334	633334	633334	635332	635332
Frequency (MHz)				3470.01	3470.01	3500.01	3500.01	3529.98	3529.98
40	DFT-s-OFDM QPSK	1	1	26.77	0.475	26.59	0.456	26.23	0.420
Channel				631000	631000	633334	633334	635666	635666
Frequency (MHz)				3465.00	3465.00	3500.01	3500.01	3534.99	3534.99
30	DFT-s-OFDM QPSK	1	1	26.91	0.491	26.63	0.460	26.15	0.412
Channel				630834	630834	633334	633334	635832	635832
Frequency (MHz)				3462.51	3462.51	3500.01	3500.01	3537.48	3537.48
25	DFT-s-OFDM QPSK	1	1	26.83	0.482	26.68	0.466	25.97	0.395
Channel				630668	630668	633334	633334	636000	636000
Frequency (MHz)				3460.02	3460.02	3500.01	3500.01	3540.00	3540.00
20	DFT-s-OFDM QPSK	1	1	26.78	0.476	26.52	0.449	25.85	0.385
Channel				630500	630500	633334	633334	636166	636166
Frequency (MHz)				3457.50	3457.50	3500.01	3500.01	3542.49	3542.49
15	DFT-s-OFDM QPSK	1	1	26.71	0.469	26.44	0.441	25.85	0.385
Channel				630334	630334	633334	633334	636332	636332
Frequency (MHz)				3455.01	3455.01	3500.01	3500.01	3544.98	3544.98
10	DFT-s-OFDM QPSK	1	1	26.80	0.479	26.58	0.455	25.93	0.392



n77(3700-3980MHz) (PC3)									
BW [M Hz]	Modulation	R B Si ze	RB Off set	Low Channel /dBm	Low Channel /Watt	Middle Channel /dBm	Middle Channel /Watt	High Channel /dBm	High Channel /Watt
Channel				650000	650000	656000	656000	662000	662000
Frequency (MHz)				3750.00	3750.00	3840.00	3840.00	3930.00	3930.00
10 0	DFT-s-OFDM PI/2 BPSK	1	1	26.15	0.412	26.12	0.409	26.09	0.406
10 0		1	136	25.86	0.385	25.87	0.386	25.91	0.390
10 0		1	271	25.79	0.379	26.02	0.400	26.15	0.412
10 0		13 5	1	26.24	0.421	25.82	0.382	25.96	0.394
10 0		13 5	67	25.91	0.390	25.99	0.397	26.02	0.400
10 0		13 5	136	25.71	0.372	25.60	0.363	26.37	0.434
10 0		27 0	0	26.00	0.398	26.04	0.402	26.14	0.411
10 0	DFT-s-OFDM QPSK	1	1	26.10	0.407	26.57	0.454	26.08	0.406
10 0		1	136	25.87	0.386	25.81	0.381	25.85	0.385
10 0		1	271	25.82	0.382	26.02	0.400	26.53	0.450
10 0		13 5	1	26.17	0.414	26.41	0.438	26.00	0.398
10 0		13 5	67	25.83	0.383	25.93	0.392	25.98	0.396
10 0		13 5	136	25.67	0.369	25.62	0.365	26.38	0.435
10 0		27 0	0	25.93	0.392	26.05	0.403	26.15	0.412
10 0	DFT-s-OFDM 16QAM	1	1	26.03	0.401	26.01	0.399	26.03	0.401
10 0	DFT-s-OFDM 64QAM	1	1	26.26	0.423	26.24	0.421	26.22	0.419
10 0	DFT-s-OFDM 256QAM	1	1	24.41	0.276	24.48	0.281	24.37	0.274
10 0	CP-OFDM QPSK	1	1	26.20	0.417	26.23	0.420	26.16	0.413
10 0	CP-OFDM 16QAM	1	1	26.10	0.407	26.10	0.407	26.03	0.401
10 0	CP-OFDM 64QAM	1	1	25.23	0.333	25.25	0.335	25.18	0.330
10	CP-OFDM	1	1	22.45	0.176	22.50	0.178	22.42	0.175



0	256QAM								
Channel				649666	649666	656000	656000	662332	662332
Frequency (MHz)				3744.99	3744.99	3840.00	3840.00	3934.98	3934.98
90	DFT-s-OFDM QPSK	1	1	25.98	0.396	25.92	0.391	25.89	0.388
Channel				649334	649334	656000	656000	662666	662666
Frequency (MHz)				3740.01	3740.01	3840.00	3840.00	3939.99	3939.99
80	DFT-s-OFDM QPSK	1	1	25.96	0.394	25.93	0.392	25.85	0.385
Channel				649000	649000	656000	656000	663000	663000
Frequency (MHz)				3735.00	3735.00	3840.00	3840.00	3945.00	3945.00
70	DFT-s-OFDM QPSK	1	1	25.99	0.397	25.88	0.387	25.77	0.378
Channel				648668	648668	656000	656000	663332	663332
Frequency (MHz)				3730.02	3730.02	3840.00	3840.00	3949.98	3949.98
60	DFT-s-OFDM QPSK	1	1	25.91	0.390	25.81	0.381	25.81	0.381
Channel				648334	648334	656000	656000	663666	663666
Frequency (MHz)				3725.01	3725.01	3840.00	3840.00	3954.99	3954.99
50	DFT-s-OFDM QPSK	1	1	26.06	0.404	25.87	0.386	25.78	0.378
Channel				648000	648000	656000	656000	664000	664000
Frequency (MHz)				3720.00	3720.00	3840.00	3840.00	3960.00	3960.00
40	DFT-s-OFDM QPSK	1	1	25.92	0.391	25.71	0.372	25.90	0.389
Channel				647668	647668	656000	656000	664332	664332
Frequency (MHz)				3715.02	3715.02	3840.00	3840.00	3964.98	3964.98
30	DFT-s-OFDM QPSK	1	1	26.00	0.398	25.82	0.382	26.31	0.428
Channel				647500	647500	656000	656000	664500	664500
Frequency (MHz)				3712.50	3712.50	3840.00	3840.00	3967.50	3967.50
25	DFT-s-OFDM QPSK	1	1	25.91	0.390	25.77	0.378	26.31	0.428
Channel				647334	647334	656000	656000	664666	664666
Frequency (MHz)				3710.01	3710.01	3840.00	3840.00	3969.99	3969.99
20	DFT-s-OFDM QPSK	1	1	25.85	0.385	25.72	0.373	26.32	0.429
Channel				647168	647168	656000	656000	664832	664832
Frequency (MHz)				3707.52	3707.52	3840.00	3840.00	3972.48	3972.48
15	DFT-s-OFDM QPSK	1	1	25.81	0.381	25.74	0.375	26.39	0.436
Channel				647000	647000	656000	656000	665000	665000
Frequency (MHz)				3705.00	3705.00	3840.00	3840.00	3975.00	3975.00
10	DFT-s-OFDM QPSK	1	1	25.96	0.394	25.88	0.387	26.52	0.449



n78(3450-3550MHz) (PC2)									
BW [MHz]	Modulation	RB Size	RB Offset	Low Channel /dBm	Low Channel /Watt	Middle Channel /dBm	Middle Channel /Watt	High Channel /dBm	High Channel /Watt
Channel				/	/	633334	633334	/	/
Frequency (MHz)				/	/	3500.01	3500.01	/	/
100	DFT-s-OFDM PI/2 BPSK	1	1	/	/	29.39	0.869	/	/
100		1	136	/	/	28.95	0.785	/	/
100		1	271	/	/	29.06	0.805	/	/
100		135	1	/	/	28.58	0.721	/	/
100		135	67	/	/	28.94	0.783	/	/
100		135	136	/	/	28.14	0.652	/	/
100		270	0	/	/	28.55	0.716	/	/
100	DFT-s-OFDM QPSK	1	1	/	/	29.41	0.873	/	/
100		1	136	/	/	28.86	0.769	/	/
100		1	271	/	/	29.01	0.796	/	/
100		135	1	/	/	28.94	0.783	/	/
100		135	67	/	/	28.84	0.766	/	/
100		135	136	/	/	28.80	0.759	/	/
100		270	0	/	/	28.75	0.750	/	/
100	DFT-s-OFDM 16QAM	1	1	/	/	28.39	0.690	/	/
100	DFT-s-OFDM 64QAM	1	1	/	/	26.87	0.486	/	/
100	DFT-s-OFDM 256QAM	1	1	/	/	24.75	0.299	/	/
100	CP-OFDM QPSK	1	1	/	/	27.94	0.622	/	/
100	CP-OFDM 16QAM	1	1	/	/	27.35	0.543	/	/
100	CP-OFDM 64QAM	1	1	/	/	25.51	0.356	/	/
100	CP-OFDM	1	1	/	/	22.73	0.187	/	/



0	256QAM								
Channel				633000	633000	633334	633334	633666	633666
Frequency (MHz)				3495.00	3495.00	3500.01	3500.01	3504.99	3504.99
90	DFT-s-OFDM QPSK	1	1	29.27	0.845	29.31	0.853	29.25	0.841
Channel				632668	632668	633334	633334	634000	634000
Frequency (MHz)				3490.02	3490.02	3500.01	3500.01	3510.00	3510.00
80	DFT-s-OFDM QPSK	1	1	29.35	0.861	29.23	0.838	29.08	0.809
Channel				632334	632334	633334	633334	634332	634332
Frequency (MHz)				3485.01	3485.01	3500.01	3500.01	3514.98	3514.98
70	DFT-s-OFDM QPSK	1	1	29.30	0.851	29.16	0.824	29.02	0.798
Channel				632000	632000	633334	633334	634666	634666
Frequency (MHz)				3480.00	3480.00	3500.01	3500.01	3519.99	3519.99
60	DFT-s-OFDM QPSK	1	1	29.19	0.830	29.14	0.820	29.06	0.805
Channel				631668	631668	633334	633334	635000	635000
Frequency (MHz)				3475.02	3475.02	3500.01	3500.01	3525.00	3525.00
50	DFT-s-OFDM QPSK	1	1	29.38	0.867	29.21	0.834	29.10	0.813
Channel				631334	631334	633334	633334	635332	635332
Frequency (MHz)				3470.01	3470.01	3500.01	3500.01	3529.98	3529.98
40	DFT-s-OFDM QPSK	1	1	29.22	0.836	29.04	0.802	28.79	0.757
Channel				631000	631000	633334	633334	635666	635666
Frequency (MHz)				3465.00	3465.00	3500.01	3500.01	3534.99	3534.99
30	DFT-s-OFDM QPSK	1	1	29.36	0.863	29.14	0.820	28.78	0.755
Channel				630834	630834	633334	633334	635832	635832
Frequency (MHz)				3462.51	3462.51	3500.01	3500.01	3537.48	3537.48
25	DFT-s-OFDM QPSK	1	1	29.25	0.841	29.08	0.809	28.66	0.735
Channel				630668	630668	633334	633334	636000	636000
Frequency (MHz)				3460.02	3460.02	3500.01	3500.01	3540.00	3540.00
20	DFT-s-OFDM QPSK	1	1	29.23	0.838	29.01	0.796	28.52	0.711
Channel				630500	630500	633334	633334	636166	636166
Frequency (MHz)				3457.50	3457.50	3500.01	3500.01	3542.49	3542.49
15	DFT-s-OFDM QPSK	1	1	29.11	0.815	28.86	0.769	28.45	0.700
Channel				630334	630334	633334	633334	636332	636332
Frequency (MHz)				3455.01	3455.01	3500.01	3500.01	3544.98	3544.98
10	DFT-s-OFDM QPSK	1	1	29.32	0.855	28.99	0.793	28.75	0.750



n78(3700-3800MHz) (PC2)									
BW [MHz]	Modulation	RB Size	RB Offset	Low Channel /dBm	Low Channel /Watt	Middle Channel /dBm	Middle Channel /Watt	High Channel /dBm	High Channel /Watt
Channel				/	/	650000	650000	/	/
Frequency (MHz)				/	/	3750.00	3750.00	/	/
100	DFT-s-OFDM PI/2 BPSK	1	1	/	/	29.09	0.811	/	/
100		1	136	/	/	28.90	0.776	/	/
100		1	271	/	/	28.74	0.748	/	/
100		135	1	/	/	28.82	0.762	/	/
100		135	67	/	/	29.01	0.796	/	/
100		135	136	/	/	28.19	0.659	/	/
100		270	0	/	/	28.54	0.714	/	/
100	DFT-s-OFDM QPSK	1	1	/	/	29.17	0.826	/	/
100		1	136	/	/	28.91	0.778	/	/
100		1	271	/	/	28.76	0.752	/	/
100		135	1	/	/	28.88	0.773	/	/
100		135	67	/	/	28.80	0.759	/	/
100		135	136	/	/	28.76	0.752	/	/
100		270	0	/	/	28.67	0.736	/	/
100	DFT-s-OFDM 16QAM	1	1	/	/	28.13	0.650	/	/
100	DFT-s-OFDM 64QAM	1	1	/	/	26.75	0.473	/	/
100	DFT-s-OFDM 256QAM	1	1	/	/	24.48	0.281	/	/
100	CP-OFDM QPSK	1	1	/	/	27.80	0.603	/	/
100	CP-OFDM 16QAM	1	1	/	/	27.28	0.535	/	/
100	CP-OFDM 64QAM	1	1	/	/	25.32	0.340	/	/
100	CP-OFDM	1	1	/	/	22.52	0.179	/	/



0	256QAM								
Channel				649668	649668	650000	650000	650332	650332
Frequency (MHz)				3745.02	3745.02	3750.00	3750.00	3754.98	3754.98
90	DFT-s-OFDM QPSK	1	1	29.13	0.818	29.09	0.811	29.17	0.826
Channel				649334	649334	650000	650000	650666	650666
Frequency (MHz)				3740.01	3740.01	3750.00	3750.00	3759.99	3759.99
80	DFT-s-OFDM QPSK	1	1	29.12	0.817	29.15	0.822	29.28	0.847
Channel				649000	649000	650000	650000	651000	651000
Frequency (MHz)				3735.00	3735.00	3750.00	3750.00	3765.00	3765.00
70	DFT-s-OFDM QPSK	1	1	29.06	0.805	29.18	0.828	29.25	0.841
Channel				648668	648668	650000	650000	651332	651332
Frequency (MHz)				3730.02	3730.02	3750.00	3750.00	3769.98	3769.98
60	DFT-s-OFDM QPSK	1	1	28.99	0.793	29.17	0.826	29.08	0.809
Channel				648334	648334	650000	650000	651666	651666
Frequency (MHz)				3725.01	3725.01	3750.00	3750.00	3774.99	3774.99
50	DFT-s-OFDM QPSK	1	1	29.08	0.809	29.24	0.839	28.93	0.782
Channel				648000	648000	650000	650000	652000	652000
Frequency (MHz)				3720.00	3720.00	3750.00	3750.00	3780.00	3780.00
40	DFT-s-OFDM QPSK	1	1	28.97	0.789	29.17	0.826	28.73	0.746
Channel				647668	647668	650000	650000	652332	652332
Frequency (MHz)				3715.02	3715.02	3750.00	3750.00	3784.98	3784.98
30	DFT-s-OFDM QPSK	1	1	29.03	0.800	29.17	0.826	28.73	0.746
Channel				647500	647500	650000	650000	652500	652500
Frequency (MHz)				3712.50	3712.50	3750.00	3750.00	3787.50	3787.50
25	DFT-s-OFDM QPSK	1	1	28.98	0.791	29.05	0.804	28.46	0.701
Channel				647334	647334	650000	650000	652666	652666
Frequency (MHz)				3710.01	3710.01	3750.00	3750.00	3789.99	3789.99
20	DFT-s-OFDM QPSK	1	1	28.94	0.783	29.01	0.796	28.40	0.692
Channel				647168	647168	650000	650000	652832	652832
Frequency (MHz)				3707.52	3707.52	3750.00	3750.00	3792.48	3792.48
15	DFT-s-OFDM QPSK	1	1	28.88	0.773	28.91	0.778	28.45	0.700
Channel				647000	647000	650000	650000	653000	653000
Frequency (MHz)				3705.00	3705.00	3750.00	3750.00	3795.00	3795.00
10	DFT-s-OFDM QPSK	1	1	29.04	0.802	28.99	0.793	28.59	0.723



n78(3450-3550MHz) (PC3)									
BW [MHz]	Modulation	RB Size	RB Offset	Low Channel /dBm	Low Channel /Watt	Middle Channel /dBm	Middle Channel /Watt	High Channel /dBm	High Channel /Watt
Channel				/	/	633334	633334	/	/
Frequency (MHz)				/	/	3500.01	3500.01	/	/
100	DFT-s-OFDM PI/2 BPSK	1	1	/	/	26.59	0.456	/	/
100		1	136	/	/	26.09	0.406	/	/
100		1	271	/	/	25.92	0.391	/	/
100		135	1	/	/	26.36	0.433	/	/
100		135	67	/	/	26.22	0.419	/	/
100		135	136	/	/	25.70	0.372	/	/
100		270	0	/	/	26.27	0.424	/	/
100	DFT-s-OFDM QPSK	1	1	/	/	26.62	0.459	/	/
100		1	136	/	/	26.11	0.408	/	/
100		1	271	/	/	25.88	0.387	/	/
100		135	1	/	/	26.38	0.435	/	/
100		135	67	/	/	26.19	0.416	/	/
100		135	136	/	/	25.75	0.376	/	/
100		270	0	/	/	26.24	0.421	/	/
100	DFT-s-OFDM 16QAM	1	1	/	/	26.44	0.441	/	/
100	DFT-s-OFDM 64QAM	1	1	/	/	26.76	0.474	/	/
100	DFT-s-OFDM 256QAM	1	1	/	/	24.92	0.310	/	/
100	CP-OFDM QPSK	1	1	/	/	26.65	0.462	/	/
100	CP-OFDM 16QAM	1	1	/	/	26.67	0.465	/	/
100	CP-OFDM 64QAM	1	1	/	/	25.80	0.380	/	/
100	CP-OFDM	1	1	/	/	22.91	0.195	/	/



0	256QAM								
Channel				633000	633000	633334	633334	633666	633666
Frequency (MHz)				3495.00	3495.00	3500.01	3500.01	3504.99	3504.99
90	DFT-s-OFDM QPSK	1	1	26.50	0.447	26.48	0.445	26.52	0.449
Channel				632668	632668	633334	633334	634000	634000
Frequency (MHz)				3490.02	3490.02	3500.01	3500.01	3510.00	3510.00
80	DFT-s-OFDM QPSK	1	1	26.56	0.453	26.53	0.450	26.42	0.439
Channel				632334	632334	633334	633334	634332	634332
Frequency (MHz)				3485.01	3485.01	3500.01	3500.01	3514.98	3514.98
70	DFT-s-OFDM QPSK	1	1	26.44	0.441	26.45	0.442	26.38	0.435
Channel				632000	632000	633334	633334	634666	634666
Frequency (MHz)				3480.00	3480.00	3500.01	3500.01	3519.99	3519.99
60	DFT-s-OFDM QPSK	1	1	26.46	0.443	26.44	0.441	26.33	0.430
Channel				631668	631668	633334	633334	635000	635000
Frequency (MHz)				3475.02	3475.02	3500.01	3500.01	3525.00	3525.00
50	DFT-s-OFDM QPSK	1	1	26.57	0.454	26.45	0.442	26.35	0.432
Channel				631334	631334	633334	633334	635332	635332
Frequency (MHz)				3470.01	3470.01	3500.01	3500.01	3529.98	3529.98
40	DFT-s-OFDM QPSK	1	1	26.50	0.447	26.31	0.428	26.05	0.403
Channel				631000	631000	633334	633334	635666	635666
Frequency (MHz)				3465.00	3465.00	3500.01	3500.01	3534.99	3534.99
30	DFT-s-OFDM QPSK	1	1	26.61	0.458	26.40	0.437	25.88	0.387
Channel				630834	630834	633334	633334	635832	635832
Frequency (MHz)				3462.51	3462.51	3500.01	3500.01	3537.48	3537.48
25	DFT-s-OFDM QPSK	1	1	26.53	0.450	26.37	0.434	25.71	0.372
Channel				630668	630668	633334	633334	636000	636000
Frequency (MHz)				3460.02	3460.02	3500.01	3500.01	3540.00	3540.00
20	DFT-s-OFDM QPSK	1	1	26.52	0.449	26.34	0.431	25.62	0.365
Channel				630500	630500	633334	633334	636166	636166
Frequency (MHz)				3457.50	3457.50	3500.01	3500.01	3542.49	3542.49
15	DFT-s-OFDM QPSK	1	1	26.34	0.431	26.13	0.410	25.49	0.354
Channel				630334	630334	633334	633334	636332	636332
Frequency (MHz)				3455.01	3455.01	3500.01	3500.01	3544.98	3544.98
10	DFT-s-OFDM QPSK	1	1	26.51	0.448	26.28	0.425	25.67	0.369



n78(3700-3980MHz) (PC3)									
BW [M Hz]	Modulation	R B Si ze	RB Off set	Low Channel /dBm	Low Channel /Watt	Middle Channel /dBm	Middle Channel /Watt	High Channel /dBm	High Channel /Watt
Channel				/	/	650000	650000	/	/
Frequency (MHz)				/	/	3750.00	3750.00	/	/
10 0	DFT-s-OFDM PI/2 BPSK	1	1	/	/	26.27	0.424	/	/
10 0		1	136	/	/	25.98	0.396	/	/
10 0		1	271	/	/	25.94	0.393	/	/
10 0		13 5	1	/	/	26.35	0.432	/	/
10 0		13 5	67	/	/	26.05	0.403	/	/
10 0		13 5	136	/	/	25.84	0.384	/	/
10 0		27 0	0	/	/	26.10	0.407	/	/
10 0	DFT-s-OFDM QPSK	1	1	/	/	26.41	0.438	/	/
10 0		1	136	/	/	25.97	0.395	/	/
10 0		1	271	/	/	25.96	0.394	/	/
10 0		13 5	1	/	/	26.31	0.428	/	/
10 0		13 5	67	/	/	26.04	0.402	/	/
10 0		13 5	136	/	/	25.85	0.385	/	/
10 0		27 0	0	/	/	26.02	0.400	/	/
10 0	DFT-s-OFDM 16QAM	1	1	/	/	26.15	0.412	/	/
10 0	DFT-s-OFDM 64QAM	1	1	/	/	26.37	0.434	/	/
10 0	DFT-s-OFDM 256QAM	1	1	/	/	24.51	0.282	/	/
10 0	CP-OFDM QPSK	1	1	/	/	26.32	0.429	/	/
10 0	CP-OFDM 16QAM	1	1	/	/	26.31	0.428	/	/
10 0	CP-OFDM 64QAM	1	1	/	/	25.40	0.347	/	/
10	CP-OFDM	1	1	/	/	22.57	0.181	/	/



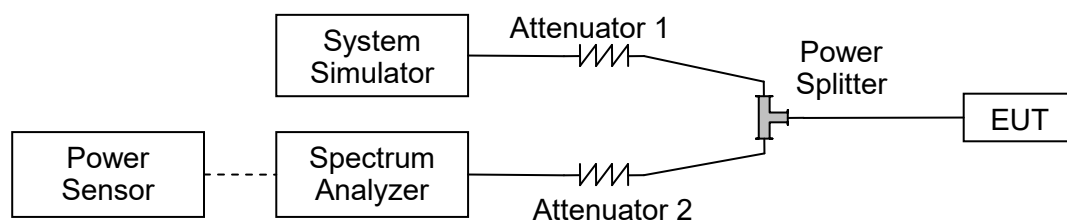
0	256QAM								
Channel				649668	649668	650000	650000	650332	650332
Frequency (MHz)				3745.02	3745.02	3750.00	3750.00	3754.98	3754.98
90	DFT-s-OFDM QPSK	1	1	26.18	0.415	26.16	0.413	26.20	0.417
Channel				649334	649334	650000	650000	650666	650666
Frequency (MHz)				3740.01	3740.01	3750.00	3750.00	3759.99	3759.99
80	DFT-s-OFDM QPSK	1	1	26.17	0.414	26.18	0.415	26.30	0.427
Channel				649000	649000	650000	650000	651000	651000
Frequency (MHz)				3735.00	3735.00	3750.00	3750.00	3765.00	3765.00
70	DFT-s-OFDM QPSK	1	1	26.11	0.408	26.18	0.415	26.28	0.425
Channel				648668	648668	650000	650000	651332	651332
Frequency (MHz)				3730.02	3730.02	3750.00	3750.00	3769.98	3769.98
60	DFT-s-OFDM QPSK	1	1	26.04	0.402	26.18	0.415	26.12	0.409
Channel				648334	648334	650000	650000	651666	651666
Frequency (MHz)				3725.01	3725.01	3750.00	3750.00	3774.99	3774.99
50	DFT-s-OFDM QPSK	1	1	26.16	0.413	26.32	0.429	26.01	0.399
Channel				648000	648000	650000	650000	652000	652000
Frequency (MHz)				3720.00	3720.00	3750.00	3750.00	3780.00	3780.00
40	DFT-s-OFDM QPSK	1	1	26.02	0.400	26.19	0.416	25.88	0.387
Channel				647668	647668	650000	650000	652332	652332
Frequency (MHz)				3715.02	3715.02	3750.00	3750.00	3784.98	3784.98
30	DFT-s-OFDM QPSK	1	1	26.11	0.408	26.20	0.417	25.90	0.389
Channel				647500	647500	650000	650000	652500	652500
Frequency (MHz)				3712.50	3712.50	3750.00	3750.00	3787.50	3787.50
25	DFT-s-OFDM QPSK	1	1	26.04	0.402	26.12	0.409	25.74	0.375
Channel				647334	647334	650000	650000	652666	652666
Frequency (MHz)				3710.01	3710.01	3750.00	3750.00	3789.99	3789.99
20	DFT-s-OFDM QPSK	1	1	25.97	0.395	26.06	0.404	25.66	0.368
Channel				647168	647168	650000	650000	652832	652832
Frequency (MHz)				3707.52	3707.52	3750.00	3750.00	3792.48	3792.48
15	DFT-s-OFDM QPSK	1	1	25.91	0.390	25.96	0.394	25.64	0.366
Channel				647000	647000	650000	650000	653000	653000
Frequency (MHz)				3705.00	3705.00	3750.00	3750.00	3795.00	3795.00
10	DFT-s-OFDM QPSK	1	1	26.11	0.408	26.13	0.410	25.80	0.380

2.2. Occupied Bandwidth

2.2.1. Requirement

According to FCC section 2.1049, the occupied bandwidth is the frequency bandwidth such that, below its lower and above its upper frequency limits, the mean powers radiated are each equal to 0.5 percent of the total mean power radiated by a given emission. Occupied bandwidth is also known as the 99% emission bandwidth.

2.2.2. Test Description



The EUT is coupled to the Spectrum Analyzer (SA) and the System Simulator (SS) with Attenuators through the Power Splitter; the RF load attached to the EUT antenna terminal is 50Ohm; the path loss as the factor is calibrated to correct the reading. The EUT is commanded by the SS to operate at the maximum output power. A call is established between the EUT and the SS.

2.2.3. Test procedure

KDB 971168 D01v03 Section 4.1 and ANSI/TIA-603-E-2016.

2.2.4. Test Result



Band	SCS (kHz)	BW (MHz)	ARFCN	Modulation	RB	OBW (MHz)	26dB BW (MHz)	Verdict
n2	15	5	370500	DFT-s-OFDM PI/2 BPSK	25/0	4.4710	5.012	PASS
n2	15	5	370500	DFT-s-OFDM QPSK	25/0	4.4951	5.139	PASS
n2	15	5	370500	DFT-s-OFDM 16QAM	25/0	4.4809	4.997	PASS
n2	15	5	370500	DFT-s-OFDM 64QAM	25/0	4.4716	4.957	PASS
n2	15	5	370500	DFT-s-OFDM 256QAM	25/0	4.4778	5.051	PASS
n2	15	5	370500	CP-OFDM QPSK	25/0	4.4716	5.072	PASS
n2	15	5	376000	DFT-s-OFDM PI/2 BPSK	25/0	4.4729	4.920	PASS
n2	15	5	376000	DFT-s-OFDM QPSK	25/0	4.4820	4.996	PASS
n2	15	5	376000	DFT-s-OFDM 16QAM	25/0	4.4844	5.053	PASS
n2	15	5	376000	DFT-s-OFDM 64QAM	25/0	4.4709	4.881	PASS
n2	15	5	376000	DFT-s-OFDM 256QAM	25/0	4.4829	5.030	PASS
n2	15	5	376000	CP-OFDM QPSK	25/0	4.4646	5.106	PASS
n2	15	5	381500	DFT-s-OFDM PI/2 BPSK	25/0	4.4913	5.091	PASS
n2	15	5	381500	DFT-s-OFDM QPSK	25/0	4.4868	5.082	PASS



n2	15	5	381500	DFT-s-OFDM 16QAM	25/0	4.4868	5.011	PASS
n2	15	5	381500	DFT-s-OFDM 64QAM	25/0	4.4761	4.999	PASS
n2	15	5	381500	DFT-s-OFDM 256QAM	25/0	4.4762	5.027	PASS
n2	15	5	381500	CP-OFDM QPSK	25/0	4.4757	5.035	PASS
n2	15	10	371000	DFT-s-OFDM PI/2 BPSK	50/0	8.9023	9.525	PASS
n2	15	10	371000	DFT-s-OFDM QPSK	50/0	8.9232	9.604	PASS
n2	15	10	371000	DFT-s-OFDM 16QAM	50/0	8.9285	9.490	PASS
n2	15	10	371000	DFT-s-OFDM 64QAM	50/0	8.9135	9.555	PASS
n2	15	10	371000	DFT-s-OFDM 256QAM	50/0	8.9279	9.560	PASS
n2	15	10	371000	CP-OFDM QPSK	52/0	9.2755	10.074	PASS
n2	15	10	376000	DFT-s-OFDM PI/2 BPSK	50/0	8.9114	9.462	PASS
n2	15	10	376000	DFT-s-OFDM QPSK	50/0	8.9144	9.613	PASS
n2	15	10	376000	DFT-s-OFDM 16QAM	50/0	8.9360	9.619	PASS
n2	15	10	376000	DFT-s-OFDM 64QAM	50/0	8.9131	9.603	PASS
n2	15	10	376000	DFT-s-OFDM	50/0	8.9134	9.576	PASS



				256QAM				
n2	15	10	376000	CP-OFDM QPSK	52/0	9.2853	10.114	PASS
n2	15	10	381000	DFT-s- OFDM PI/2 BPSK	50/0	8.9080	9.481	PASS
n2	15	10	381000	DFT-s- OFDM QPSK	50/0	8.9098	9.526	PASS
n2	15	10	381000	DFT-s- OFDM 16QAM	50/0	8.9127	9.571	PASS
n2	15	10	381000	DFT-s- OFDM 64QAM	50/0	8.9110	9.557	PASS
n2	15	10	381000	DFT-s- OFDM 256QAM	50/0	8.9062	9.560	PASS
n2	15	10	381000	CP-OFDM QPSK	52/0	9.2803	10.097	PASS
n2	15	15	371500	DFT-s- OFDM PI/2 BPSK	75/0	13.430	14.323	PASS
n2	15	15	371500	DFT-s- OFDM QPSK	75/0	13.415	14.340	PASS
n2	15	15	371500	DFT-s- OFDM 16QAM	75/0	13.421	14.230	PASS
n2	15	15	371500	DFT-s- OFDM 64QAM	75/0	13.404	14.217	PASS
n2	15	15	371500	DFT-s- OFDM 256QAM	75/0	13.451	14.325	PASS
n2	15	15	371500	CP-OFDM QPSK	79/0	14.110	15.083	PASS
n2	15	15	376000	DFT-s- OFDM PI/2 BPSK	75/0	13.410	14.291	PASS
n2	15	15	376000	DFT-s-	75/0	13.407	14.252	PASS



				OFDM QPSK				
n2	15	15	376000	DFT-s- OFDM 16QAM	75/0	13.411	14.275	PASS
n2	15	15	376000	DFT-s- OFDM 64QAM	75/0	13.377	14.276	PASS
n2	15	15	376000	DFT-s- OFDM 256QAM	75/0	13.415	14.167	PASS
n2	15	15	376000	CP-OFDM QPSK	79/0	14.097	14.994	PASS
n2	15	15	380500	DFT-s- OFDM PI/2 BPSK	75/0	13.369	14.242	PASS
n2	15	15	380500	DFT-s- OFDM QPSK	75/0	13.373	14.237	PASS
n2	15	15	380500	DFT-s- OFDM 16QAM	75/0	13.371	14.158	PASS
n2	15	15	380500	DFT-s- OFDM 64QAM	75/0	13.345	14.142	PASS
n2	15	15	380500	DFT-s- OFDM 256QAM	75/0	13.381	14.228	PASS
n2	15	15	380500	CP-OFDM QPSK	79/0	14.052	15.030	PASS
n2	15	20	372000	DFT-s- OFDM PI/2 BPSK	100/0	17.902	18.912	PASS
n2	15	20	372000	DFT-s- OFDM QPSK	100/0	17.900	18.890	PASS
n2	15	20	372000	DFT-s- OFDM 16QAM	100/0	17.906	18.843	PASS
n2	15	20	372000	DFT-s- OFDM 64QAM	100/0	17.916	18.886	PASS



n2	15	20	372000	DFT-s-OFDM 256QAM	100/0	17.880	18.834	PASS
n2	15	20	372000	CP-OFDM QPSK	106/0	18.934	19.991	PASS
n2	15	20	376000	DFT-s-OFDM PI/2 BPSK	100/0	17.848	18.901	PASS
n2	15	20	376000	DFT-s-OFDM QPSK	100/0	17.853	18.807	PASS
n2	15	20	376000	DFT-s-OFDM 16QAM	100/0	17.843	18.823	PASS
n2	15	20	376000	DFT-s-OFDM 64QAM	100/0	17.877	18.827	PASS
n2	15	20	376000	DFT-s-OFDM 256QAM	100/0	17.832	18.725	PASS
n2	15	20	376000	CP-OFDM QPSK	106/0	18.879	19.936	PASS
n2	15	20	380000	DFT-s-OFDM PI/2 BPSK	100/0	17.798	18.843	PASS
n2	15	20	380000	DFT-s-OFDM QPSK	100/0	17.778	18.730	PASS
n2	15	20	380000	DFT-s-OFDM 16QAM	100/0	17.822	18.794	PASS
n2	15	20	380000	DFT-s-OFDM 64QAM	100/0	17.823	18.780	PASS
n2	15	20	380000	DFT-s-OFDM 256QAM	100/0	17.778	18.655	PASS
n2	15	20	380000	CP-OFDM QPSK	106/0	18.823	19.909	PASS
n2	15	25	372500	DFT-s-OFDM PI/2 BPSK	128/0	22.916	24.110	PASS



n2	15	25	372500	DFT-s-OFDM QPSK	128/0	22.910	23.967	PASS
n2	15	25	372500	DFT-s-OFDM 16QAM	128/0	22.963	23.959	PASS
n2	15	25	372500	DFT-s-OFDM 64QAM	128/0	22.903	24.086	PASS
n2	15	25	372500	DFT-s-OFDM 256QAM	128/0	22.878	23.906	PASS
n2	15	25	372500	CP-OFDM QPSK	133/0	23.789	24.906	PASS
n2	15	25	376000	DFT-s-OFDM PI/2 BPSK	128/0	22.821	23.979	PASS
n2	15	25	376000	DFT-s-OFDM QPSK	128/0	22.862	23.968	PASS
n2	15	25	376000	DFT-s-OFDM 16QAM	128/0	22.886	23.965	PASS
n2	15	25	376000	DFT-s-OFDM 64QAM	128/0	22.810	23.912	PASS
n2	15	25	376000	DFT-s-OFDM 256QAM	128/0	22.826	23.862	PASS
n2	15	25	376000	CP-OFDM QPSK	133/0	23.718	24.941	PASS
n2	15	25	379500	DFT-s-OFDM PI/2 BPSK	128/0	22.790	23.959	PASS
n2	15	25	379500	DFT-s-OFDM QPSK	128/0	22.822	23.969	PASS
n2	15	25	379500	DFT-s-OFDM 16QAM	128/0	22.853	24.005	PASS
n2	15	25	379500	DFT-s-OFDM	128/0	22.795	23.911	PASS

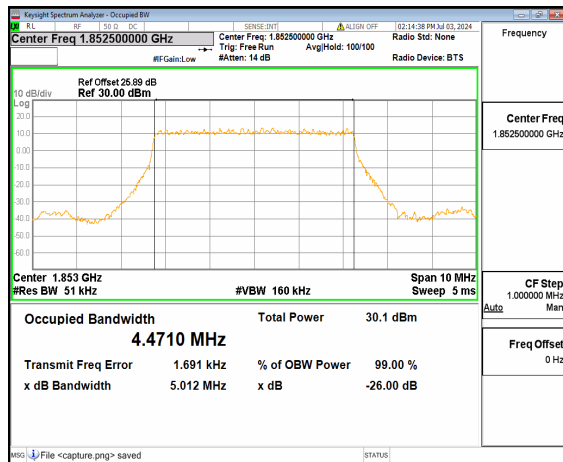


				64QAM				
n2	15	25	379500	DFT-s-OFDM 256QAM	128/0	22.769	23.834	PASS
n2	15	25	379500	CP-OFDM QPSK	133/0	23.670	24.844	PASS
n2	15	30	373000	DFT-s-OFDM PI/2 BPSK	160/0	28.627	29.827	PASS
n2	15	30	373000	DFT-s-OFDM QPSK	160/0	28.558	29.820	PASS
n2	15	30	373000	DFT-s-OFDM 16QAM	160/0	28.595	29.656	PASS
n2	15	30	373000	DFT-s-OFDM 64QAM	160/0	28.570	29.841	PASS
n2	15	30	373000	DFT-s-OFDM 256QAM	160/0	28.593	29.910	PASS
n2	15	30	373000	CP-OFDM QPSK	160/0	28.592	29.817	PASS
n2	15	30	376000	DFT-s-OFDM PI/2 BPSK	160/0	28.545	29.694	PASS
n2	15	30	376000	DFT-s-OFDM QPSK	160/0	28.496	29.834	PASS
n2	15	30	376000	DFT-s-OFDM 16QAM	160/0	28.523	29.607	PASS
n2	15	30	376000	DFT-s-OFDM 64QAM	160/0	28.514	29.775	PASS
n2	15	30	376000	DFT-s-OFDM 256QAM	160/0	28.523	29.917	PASS
n2	15	30	376000	CP-OFDM QPSK	160/0	28.493	29.900	PASS
n2	15	30	379000	DFT-s-	160/0	28.523	29.656	PASS

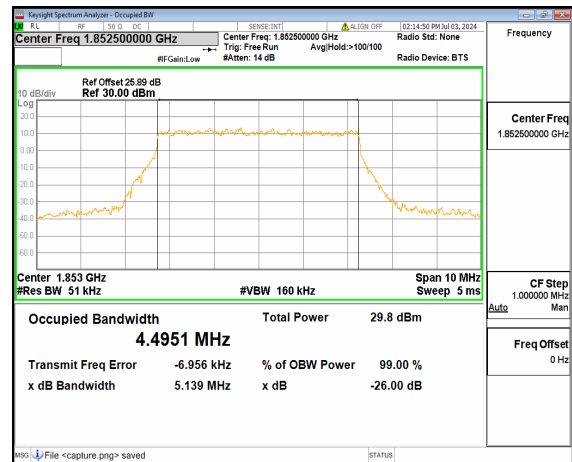


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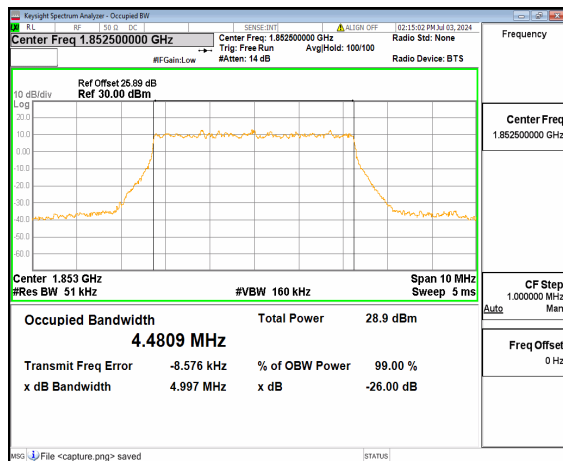
				OFDM PI/2 BPSK				
n2	15	30	379000	DFT-s- OFDM QPSK	160/0	28.475	29.824	PASS
n2	15	30	379000	DFT-s- OFDM 16QAM	160/0	28.495	29.589	PASS
n2	15	30	379000	DFT-s- OFDM 64QAM	160/0	28.483	29.735	PASS
n2	15	30	379000	DFT-s- OFDM 256QAM	160/0	28.483	29.760	PASS
n2	15	30	379000	CP-OFDM QPSK	160/0	28.479	29.883	PASS



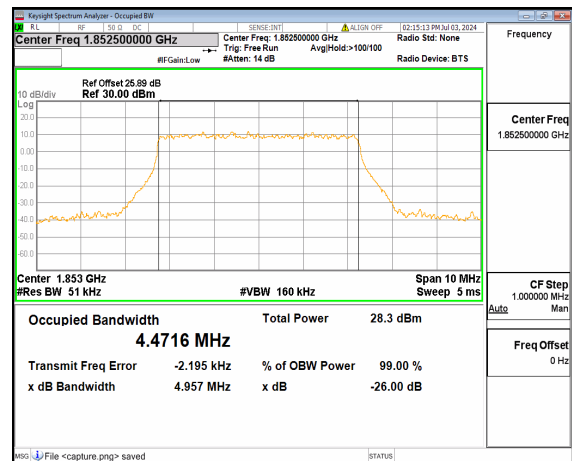
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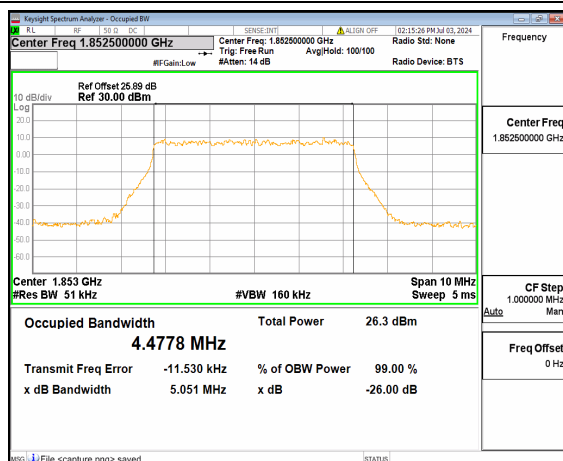
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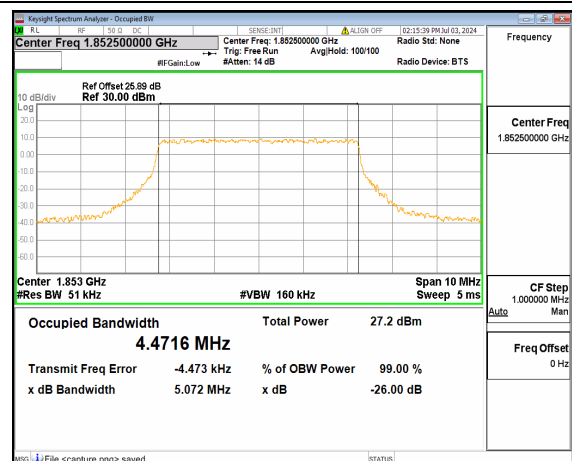
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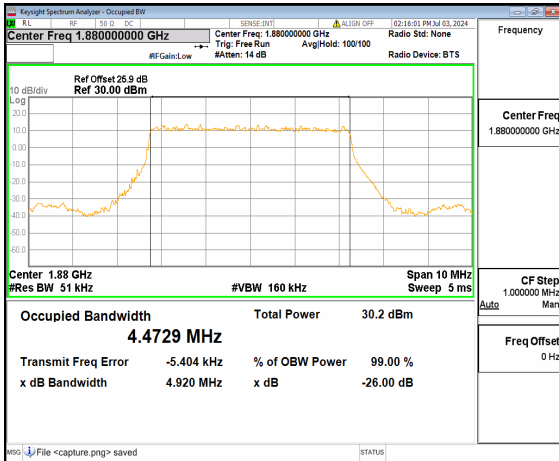
n2 5M DFT-s-OFDM 64QAM Outer_Full Low



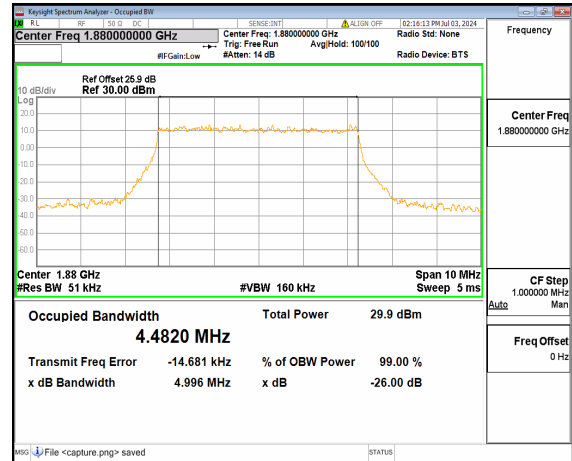
n2 5M DFT-s-OFDM 256QAM Outer_Full Low



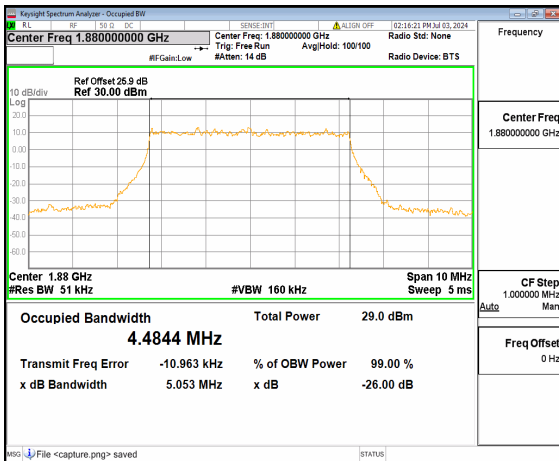
n2 5M CP-OFDM QPSK Outer_Full Low



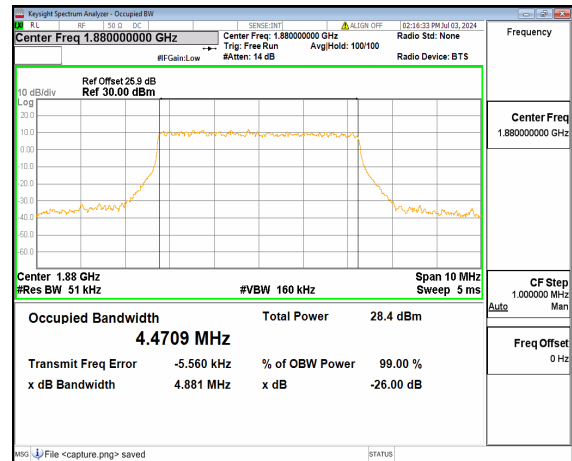
n2 5M DFT-s-OFDM BPSK Outer_Full Mid



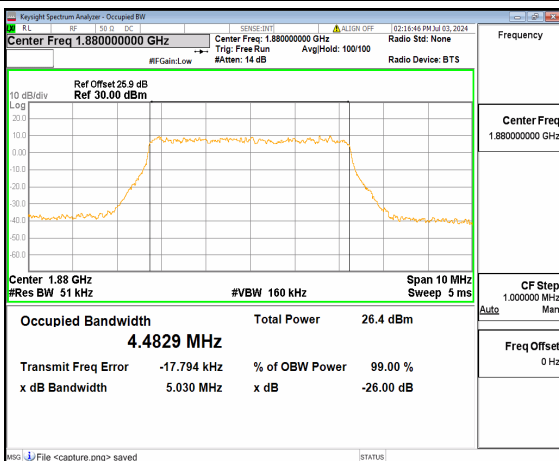
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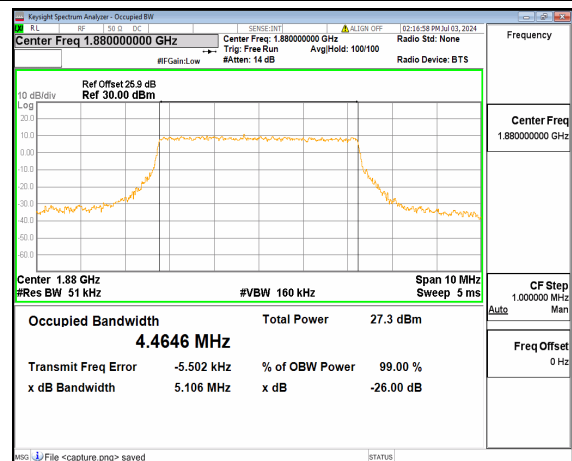
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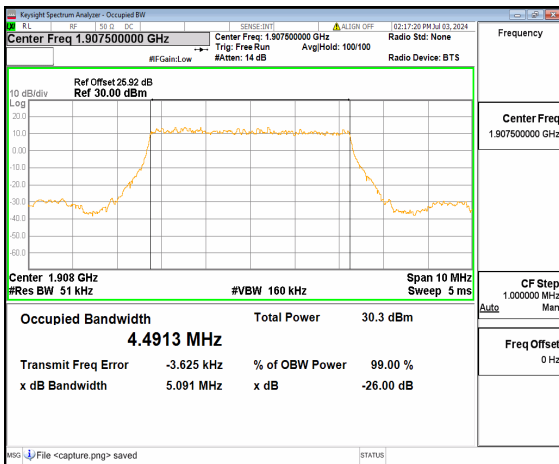
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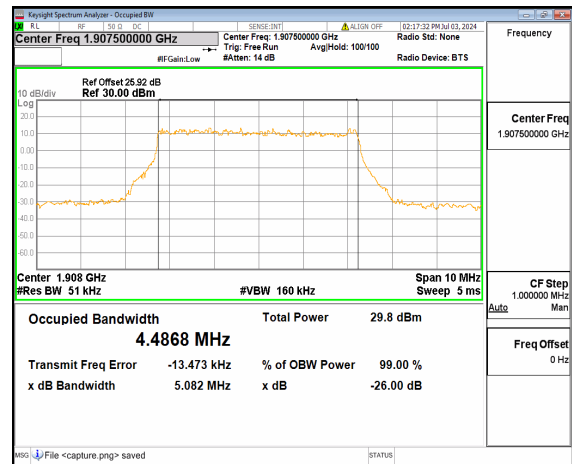
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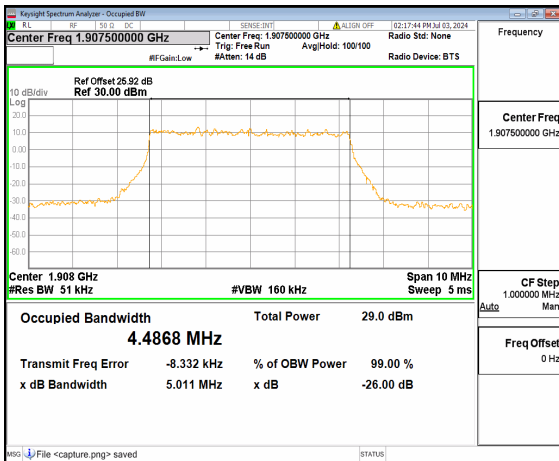
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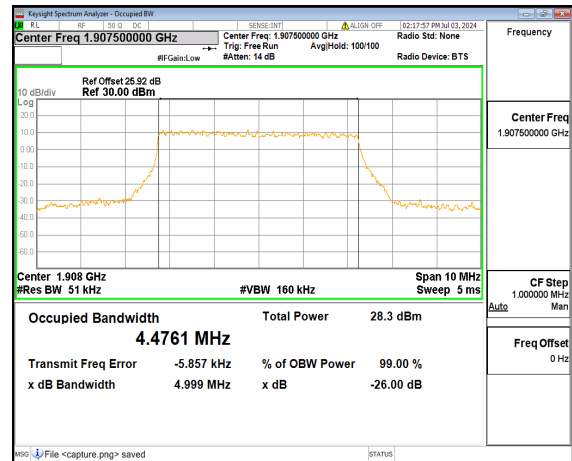
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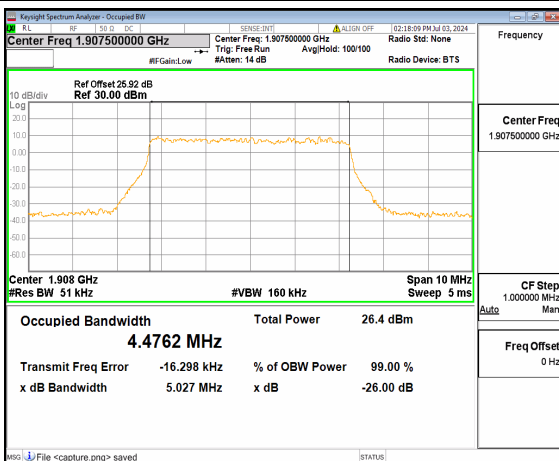
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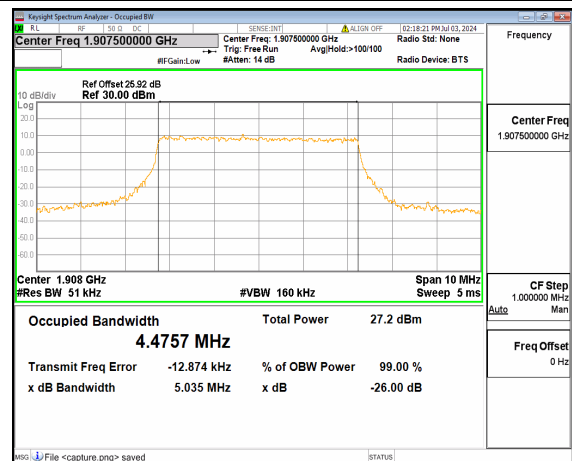
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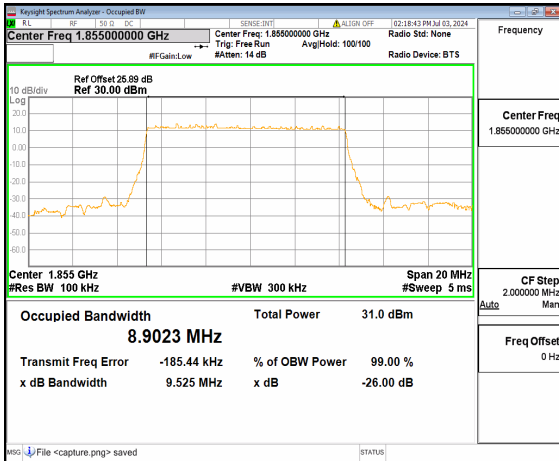
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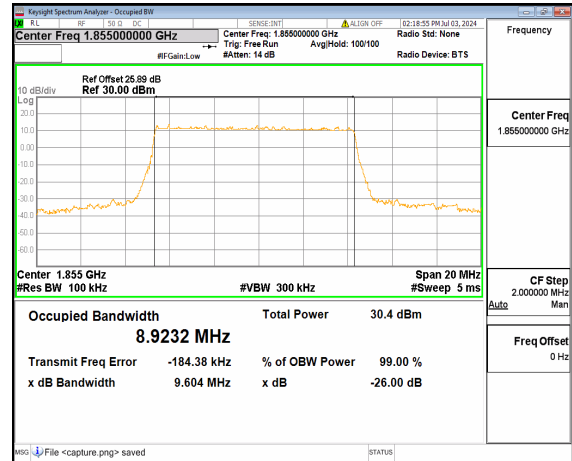
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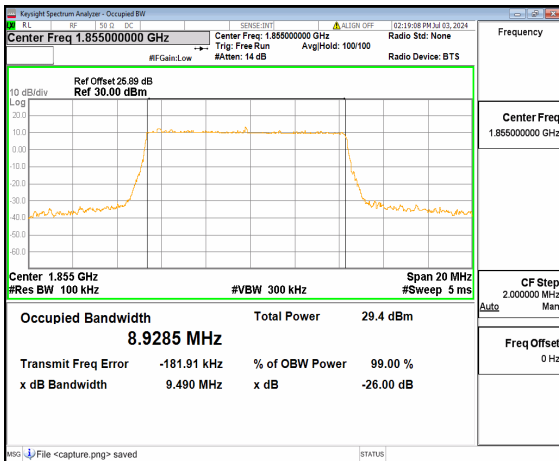
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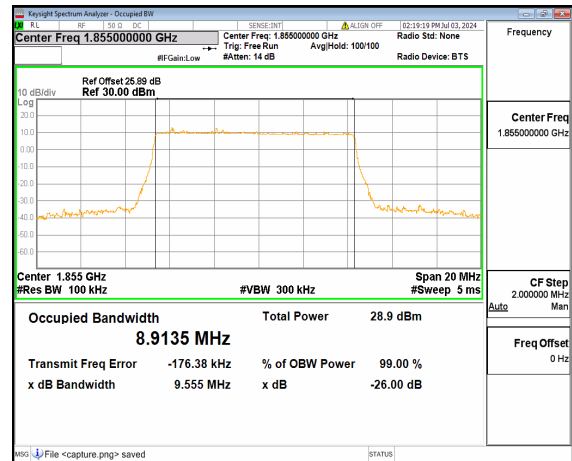
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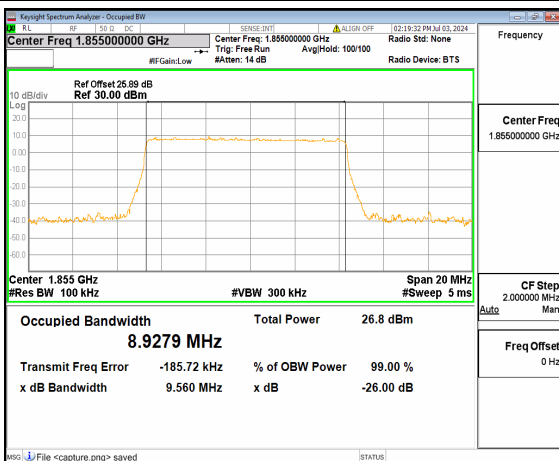
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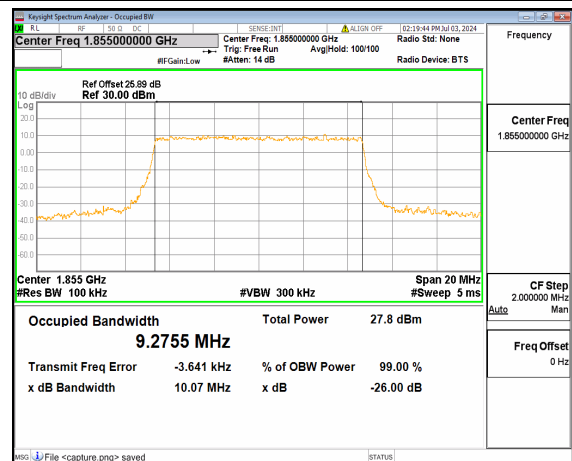
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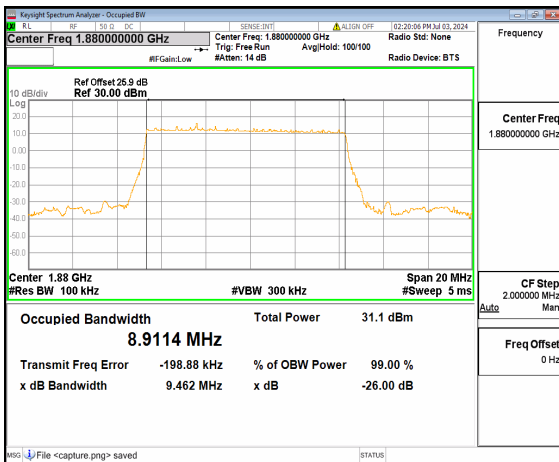
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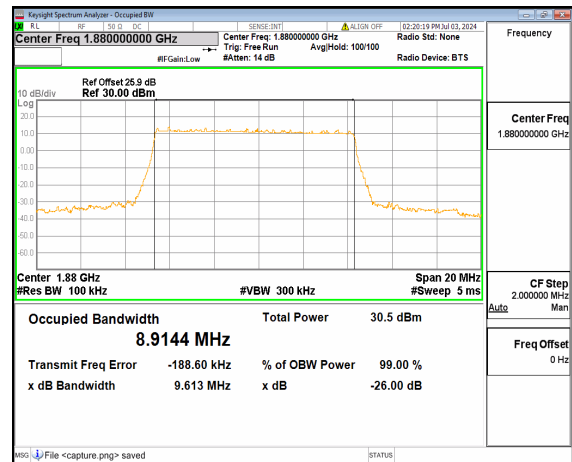
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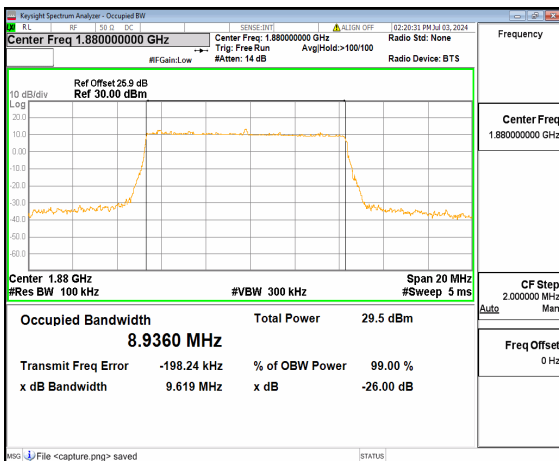
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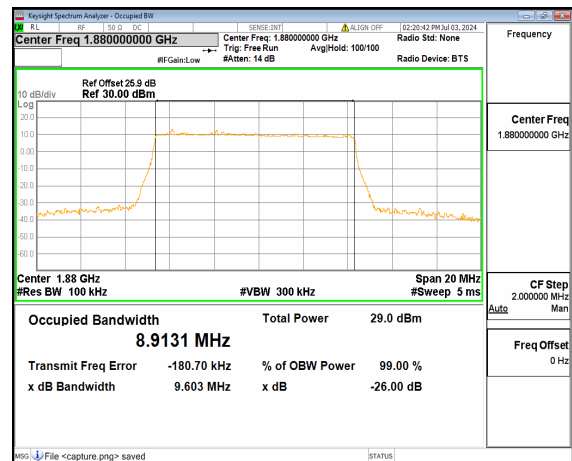
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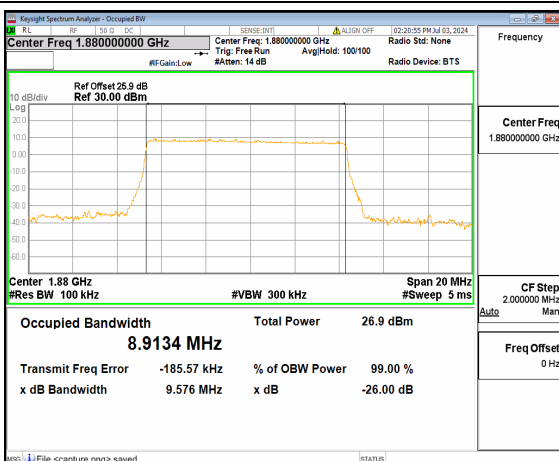
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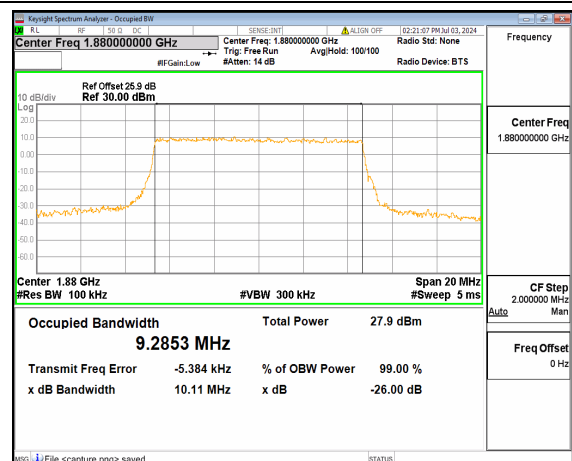
n2 10M DFT-s-OFDM 16QAM Outer_Full Mid



n2 10M DFT-s-OFDM 64QAM Outer_Full Mid



n2 10M DFT-s-OFDM 256QAM Outer_Full Mid



n2 10M CP-OFDM QPSK Outer_Full Mid